

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE J	PAGE OF PAGES 1   14
2. AMENDMENT/MODIFICATION NO. 0008	3. EFFECTIVE DATE 18-Jun-2015	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)
6. ISSUED BY NAVAL FACILITIES ENG COMMAND WASHINGTON 1314 HARWOOD ST SE, BLDG 212 WASHINGTON NAVY YARD DC 20374	CODE N40080	7. ADMINISTERED BY (If other than item 6) <b>See Item 6</b>		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. N40080-14-R-1155	
		X	9B. DATED (SEE ITEM 11) 22-Oct-2014	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  SOLICITATION N40080-14-R-1155 P155 ATLANTIC TEST RANGE FACILITY NAVAL STATION, PATUXENT RIVER, MARYLAND  As an amendment to the solicitation, the following is hereby incorporated:  1. Response to Request For Information Questions 1-75  See Page 2.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR  _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED  18-Jun-2015

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

AMENDMENT 0008

**1. Question:** Part 3, paragraph 1.0.e states that sustainable design requirements are to achieve LEED Silver certification. Part 2 specification section 01 33 29.05 20 “Sustainability Requirements for Design-Build” indicates that the contractor is to document sustainability through the Federal Guiding Principles Validation (1.4) and that the contractor is responsible for achieving Third Party Certification equivalent to LEED 2009 Silver (1.4.4) that does not necessarily require use of the LEED sustainability program. Please clarify is the Government is requiring the LEED program be utilized to demonstrate compliance with specification section 01 33 29.05 20.

**Response: LEED 2009 is to be used for TPC compliance as stated in Part 3, paragraph 1.0.e. The second sentence of Part 2 specification Section 01 33 29.05 20, paragraph 1.4.4 states that the Government must approve equivalent TPC organization.**

**2. Question:** Part 2 specification section 01 33 29.05 20 “Sustainability Requirements for Design-Build”, paragraph 1.6.2 indicates a Commissioning Authority is to be utilized by the contractor. Part 3, paragraph 2.3.4 states that the Commissioning Authority will be retained by the Government by separate contract. Please confirm that the Commissioning Authority is the responsibility of the Government.

**Response: The Commissioning Authority is the responsibility of the Government.**

**3. Question:** Concept drawing A310 indicates a framed slab for the first floor area that does not receive the raised access floor. Part 3 sections A1030 and A1040 permit both standard slab on grade and structurally supported slab. From a building User functionality standpoint is the framed slab required due to User related requirements?

**Response: The users do not require a framed slab in areas other than in the Open Office area that receives a raised floor. The Contractor's engineers shall analyze the most appropriate configuration of the slab against Building 2118 and taking into account the impact on the existing foundations.**

**4. Question:** RFP Concept Drawing CL101 shows an existing electrical/telephone manhole and ductbank system located within the proposed addition footprint. Some of these electrical/telephone ductbanks are shown on the as-built drawings provided with the RFP. RFP Part 3, Chapter 6, ESR G10 paragraph G102003 “Underground Site Demolition” states “The contractor shall relocate all existing utilities located within the new building addition to be a minimum of 10 feet outside the building footprint or foundation, whichever is more stringent.” Please provide specific information related to the existing electrical/telephone manhole and all ductbank/conduits that enter/exit the manhole including the location of all “upstream/downstream” manholes and points of termination to permit the relocation to be engineered and estimated.

**Response: As-built drawings were provided.**

**5. Question:** Reference Part 3, Chapter 3 of the RFP, Section 3.2 “Site Development Requirements – Utilities”, paragraph 3 states “The storm drain system shall be conveyed to the on-site SWM facilities.” Please identify the on-site SWM facilities to be utilized.

**Response: "On-site SWM facilities" refers to new facilities required and provided under the scope of this RFP by the design-build contractor as described immediately above the referenced paragraph under "Stormwater Management".**

**6. Question:** Reference 01 31 19.05 20 Post Award Meetings, paragraph 1.3.5.2 describes a concept development workshop that involves up to 3 concept design developments and reviews. Considering the well-developed building layout provided in the RFP documents this facilitated 4 to 6 day concept development workshop seems to be a unneeded expense considering the actual project requirements. Please advise if this design concept workshop process will be revised to reflect the actual project requirements.

**Response: A Concept Development workshop is still required.**

**7. Question:** As per RFP, Part 3, Chapter 6, ESR D-503001 and Part 3, Chapter 6, ESR G-403001, new conduits and copper and fiber needs to be provided from existing Telecom manhole 2.4 (located next to building 2400). Existing Site Plan does not show the location of existing Telecom manhole 2.4 or Building 2400. Please show exact location of Telecom manhole 2.4 and Building 2400 on the existing Site Plan.

**Response: Existing Building 2400 and manhole 2.4 are located off the page on drawing CX101 above grid D3 along Cedar Point Road and immediately north of the existing parking lot.**

**8. Question:** The RFP includes references to UFC standards and other codes and regulations either without identifying the edition date or by stating “most current”. Please confirm that the applicable edition of any of these standards is the one in effect at the time of bid and not at the time of award.

**Response: The applicable edition is at the time of award.**

**9. Question:** The RFP refers to several ASHRAE 90.1 editions including 2004, 2007 and 2010 in various parts of the document and its attachments. Please confirm that the applicable ASHRAE 90.1 edition is 2007 and that it will be used for the purposes of achieving and documenting EPACT 2005 compliance.

**Response: "Energy cost savings modeling associated with documentation and submission for LEED v3 (2009) EAc1 shall be performed with the baseline building as defined by ASHRAE 90.1 2007 Appendix G. Energy consumption savings modeling associated with demonstrating compliance with EPACT2005 shall be performed with the baseline building as defined by ASHRAE 90.1 2010 Appendix G. In regards to the design of the proposed facility the more stringent of ASHRAE 189.1 v2011, ASHRAE 90.1 v2010, or ASHRAE 90.1 v2007 shall apply."**

**10. Question:** Please clarify what Guiding Principles Compliance rating is desired to be achieved.

**Response: LEED Silver.**

**11. Question:** RFP part 3 par. 2.3.1 Sustainable Design states that “ The constructed facility shall be Guiding Principle Validated by the contractor and NAVFAC as having met all Guiding Principles that are applicable to the project”. This appears to be in conflict with RFP Specification Section 01 33 29.05 20

par. 1.4.4.. Third Party Certification (TPC) Documentation which requires TPC to validate the GPC rating. Please confirm that third party certification (TPC) pertaining to Guiding Principles Compliance (GPC) rating is not required.

**Response: TPC certification (LEED Silver) is required to confirm compliance with the Guiding Principles.**

**12. Question:** The RFP mentions both USGBC LEED–NC Silver v. 3 and Guiding Principles Compliance as acceptable vehicles to achieve and document project energy conservation compliance. Please confirm that either USGBC LEED-NC Silver v.3 or GPC (TPC validated) is to be used for project certification purposes but not both.

**Response: Both are not required.**

**13. Question:** : Part 3, Chapter 6, ESR G-403001, Item 8, states that whenever telecom ductbanks have less than one meter of cover, someone from the communications team must be present and that the Contractor shall pay the costs for the personnel. What rates are charged by the communication team?

**Response: The rate charged by the communication team is \$100/hour. Please give at minimum 3 days' notice.**

**14. Question:** The RFP also requires concrete encasement of the existing fiber optic line running along Cedar Point Road near the new parking lot. Since this work will require the line to be concrete encased, it will have less than one meter of cover until it is backfilled. Are we required to pay the communication team continuously until the concrete is cured and the trench is backfilled? Or once the concrete is placed, will this suffice as not requiring the supervision?

**Response: Once the concrete is covered. Please give at minimum 3 days' notice.**

**15. Question:** Part 3, Chapter 2, Section 2.5.1 states that “portions of the building will operate 24/7”. In order for us to prepare an accurate Energy Model, please let us know what portions of the building or rooms are anticipated to operate 24/7.

**Response: This information needs to be confirmed with the user during design.**

**16. Question:** The Room Requirement Sheets for the Test Cells state to provide “Equipment Rack UPS”. What size / capacity should these UPS be?

**Response: The units referenced here are to be sized, furnished and installed by the User.**

**17. Question:** The Room Requirement Sheets for the Test Cells state to provide “Equipment Rack UPS” and also “Console UPS”. How many minutes of backup power are required for each of these?

**Response: See response above.**

**18. Question:** Part 3, Chapter 6, ESR D501004 states to provide UPS for each of the four Test Cell panelboards. ESR D-501090 states to also provide a UPS for the first floor panelboard serving the workstations. How many minutes of backup power are required for these panelboards?

**Response: D501090 states the ups units for the four second floor test cell panelboards and the first floor work stations panelboard shall provide 15 minutes of backup power.**

**19. Question:** “Integrate all new DDC points on the existing server providing a seamless logical flow from the existing facilities to the new integrated facility”

We will be proposing a BACNET system that is fully able to be integrated into a system capable of BACNET IP communications. We would like the following information to determine the compatibility:

- a) What is the manufacturer and system name of the existing server?
- b) Will the manufacturer or service provider of the existing sever provide labor to integrate the DDC points into their system? If no, we need access to the system prior to the bid for examination.
- c) Who will bring the network connection to the proposed system for integration to the existing server?
- d) Where is the existing server located?

**Response: AE2 would need to confirm this information with the user during design.**

**20. Question:** Part3, Chapter 6, Section D30 – 1.1 b states the following:

“Integrate all new DDC points on the existing server providing a seamless logical flow from the existing facilities to the new integrated facility”

We would like the following information to determine system compatibility:

- a) What is the manufacturer and brand name of the existing server?
- b) Will the manufacturer or service provider of the existing sever provide labor to integrate the DDC points into their system? If yes, can we have a contact name and number to obtain pricing from them for this work? If no, we can we have access to the system prior to the bid for examination?
- c) Where is the existing server located?
- d) Is the system a base-wide system?
- e) Is the existing system licensed for unlimited controllers and unlimited BACNET controllers? IE if we add Bacnet DDC and Niagara supervisory controllers to the existing system and NAVFAC does not have licensing for these additional controllers, confirm that we must purchase the upgrade.

**Response: See response above.**

**21. Question:** RFP Part 3 Chapter 2 Page 2 Para 2.2 Facility Function describes the structural portion of the project with “pile foundation, pile caps, grade beams, concrete slab-on-grade, steel columns and framing, concrete on metal deck floor slabs, exterior walls comprising [sic] reinforced masonry and brick veneer, and a metal deck with built up roofing system.

Amendment 004 2) Project Description (page 2 of 20) describes the structural portion of the project with “concrete spread footings, pile foundation , concrete slab-on-grade, cast in place concrete columns, poured in place floor, roof deck poured-in-place concrete, masonry veneer walls...”

Please confirm that RFP steel columns and framing is acceptable, despite a later amendment indicating cast-in-place.

Please confirm that RFP metal deck with BUR is acceptable, despite later amendment indicating roof deck poured-in-place concrete.

**Response: The design is based on a steel frame with metal decks and a built up roof.**

**22. Question:** Chapter 5 Room Requirements indicate that a suspended acoustical ceiling system is required for both the mechanical and electrical rooms. Normally these room types have exposed ceilings.

Please confirm that an exposed ceiling is required for these rooms.

**Response: The ceilings are included to provide acoustical separation between these rooms and the Small Conference Room and Mission Briefing Room above.**

**23. Question:** Per UFC 3-420-01 Para [For Navy Projects only] **IPC TABLE 403.1 MINIMUM NUMBER OF PLUMBING FACILITIES**. Add additional notes beneath IPC Table 403.1 Item (2) lavatories (1 per 20 p, up to 100 p; then 1 per 45p). If calculating plumbing fixtures uniformly for the building occupants, the UFC requirement is to provide three (3) lavatories per toilet room, per floor, based on business occupancy. The women's toilet room shows only two(2) lavatories on the first and second floors. The men's toilet room shows only two(2) lavatories on the second floor. Please clarify whether two or three lavatories are required in each toilet room.

**Response: The concept plans were based on the occupant loads provided by the customer and the space available for the Toilet Rooms. The Contractor/AE2 is responsible for identifying and meeting applicable code and UFC requirements during the design process.**

**24. Question:** Per NFPA 101 Para 7.2.12.1.2 will an area of refuge (in Stair 2), including two-way communication system, be required?

**Response: NFPA 101, Section 38.2.2.12.2, exempts the requirement for the area of refuge to be separated from other rooms or spaces by smoke-resistant partitions when the building is fully sprinkler protected. Per Section 3.3.22, the entire sprinkler protected story is the area of refuge. Please be aware that Section 7.2.12.1.2 applies to buildings that are not sprinkler protected. Section 7.2.12.1.1 applies to fully sprinkler protected buildings and does require two-way communication at the elevator landing. Such shall be provided as required.**

**25. Question:** RFP Part 3 Chapter 6 /ESR B30 - Page 1 B30 GENERAL SYSTEM DESCRIPTION "Built in gutter systems where drainage passes through an interior space....shall be prohibited." RFP Part 3 Chapter 6 /ESR B30 - Page 2 B30 GUTTERS AND DOWNSPOUTS – "NOT USED". RFP Drawings and Part 3 Chapter 6 /ESR D20 - Page 6 D204002 Roof Drains indicate use of interior roof drains through interior spaces. Our experience has been that NAVFAC prefers not to use internal roof drains. Please clarify whether internal drains or scuppers/gutters/downspouts shall be utilized.

**Response: Internal roof drains were chosen because it is similar to the adjacent building. This is a detail that the Contractor/AE2 will need to determine during the design process.**

**26. Question:** The RFP floor plan for Control Room/Mission Test Cell 1 and Control Room/Mission Test Cell 2 show two sets of single doors per room and no panic hardware requirements is listed in the 5.0 Room Requirements for these rooms. Please confirm whether or not panic hardware is required for each door of the Control Rooms.

**Response: The Contractor/AE2 is responsible for identifying and meeting applicable code and UFC requirements during the design process.**

**27. Question:** The conceptual sections on Drawing A310 show structural elements however does not account for any plenum space for MEP infrastructure below the beams. To accommodate MEP infrastructure on each floor will require raising the building height by several feet, affecting structural column height, building elevations, and quantity of materials. To minimize increasing the building height, please indicate if any or all of the following is acceptable:

- a) Can the ceiling height AFF be lowered to 8'-0" from 9'-4" on the first floor and 10'-0" on the second floor?
- b) Can raised floor plenums be reduced to twelve inches (12") from 1'-9" on the first floor and 2'-0" on the second floor?

**Response: The detailed design of these spaces is the responsibility of the Contractor/AE2.**

**28. Question:** Please provide 5.0 Room Requirements for the Supply Room as none was provided.

**Response: This is a small storage closet with finishes identical to the Kitchenette (painted GWB walls, VCT flooring, rubber base and 2' x 2' acoustical ceiling).**

**29. Question:** 5.0 Room Requirements "Space Characteristics for the following rooms provide NO acoustics requirement, however Uniformat Section C102001 "Specific Requirements" of the same room designates "sound insulated door and frame" in Room 111 in Building 2118; Reception/Security; Elevator Machine Room; Toilet Rooms; Video Vault; and Interior Stair Doors. Please clarify.

**Response: The listed doors should comply with the acoustical requirements identified in C102001.**

**30. Question:** 5.0 Room Requirements Room Number – Stairs Uniformat Section C102001 "Specific Requirements" Please confirm that hollow metal B label is not required.

**Response: See response to question number 26.**

**31. Question:** The communications for this new addition is to be tied into Bldg. 2400. We do not see Bldg. 2400 on any of the site drawings. Please provide the location of Bldg. 2400 in respect to the new addition.

**Response: Building 2400 is located on Cedar Point Road just north of the existing parking lot adjacent to Building 2118.**

**32. Question:** Please provide a communications site drawing showing the routing thru the underground duct system from the new addition to Building 2400 and Manhole 2.4 for the incoming communications, public address system, and television feeds.

**Response: This will not be provided.**

**33. Question:** Please provide heat gain information for the equipment that is government furnished on the project. For example, in the Mission Test Cell / Control Rooms, there are 34 Console UPS's and 12 Equipment Rack UPS's that are not sized. These are noted as being "not included in the contractors FF&E Scope". What is the heat gain associated with this equipment? Also listed are Console and ceiling-mounted monitor arms. It appears there are arms for at least 90 monitors. How many monitors will there be, and what is the heat gain associated with them? Is there additional computer equipment not listed on these space characteristics sheets that will have a heat gain? Is there an assumed diversity value for any of the equipment in these rooms?

**Response: Sensible equipment loads were based on the following. Equipment types and quantities were provided by the end user. AE2 shall verify all equipment sizes and quantities with the end user prior to final design load calculations.**

<i>Control Room-1</i>	<i>Workstations</i>	<i>56</i>
	<i>60" Monitors</i>	<i>5</i>
	<i>Server Racks</i>	<i>2</i>
	<i>Copier</i>	<i>2</i>
<i>Control Room-2</i>	<i>Workstations</i>	<i>56</i>
	<i>60" Monitors</i>	<i>5</i>
	<i>Server Racks</i>	<i>2</i>
	<i>Copier</i>	<i>2</i>

**34. Question:** Part 3, Chapter 6, ESR B10, Page 1 – under Roof Live Load the RFP indicates the roof live load shall be 20 psf plus loading from domestic hot water solar panels. We find no indication in the RFP that solar panels are required, please clarify.

**Response: Domestic Hot Water Solar Panels are not required. The roof does not need to be designed for possible future domestic hot water solar panels.**

**35. Question:** Regarding the LEED requirements for the project, will the Government permit the Thermal Comfort Verification LEED credit (Credit 7.2) to be pursued?

**Response: Credit 7.2 can be pursued.**

**36. Question:** Part 3, Chapter 6, ESR D50, Page 6 – D503001 "First Floor Requirements" states "Cable runs to the NMCI POP room on the first floor shall originate in Building 2400. The concept plans do not identify a Building 2400, please clarify.

**Response: Existing Building 2400 and manhole 2.4 are located off the page on drawing CX101 above grid D3 along Cedar Point Road and immediately north of the existing parking lot.**

**37. Question:** Part 3, Chapter 6, ESR D50, Page 9 – D503005, first paragraph states the ESS (Electronic Security System) includes the Access Control System (ACS), Intrusion Detection System (IDS) and Closed Circuit Television (CCTV). Second paragraph states the ESS shall consist of an ACS and IDS systems. Please clarify if CCTV is part of the ESS system.

**Response: Yes, CCTV is a part of the ESS.**

**38. Question:** Part 3, Chapter 6, ESR D50, Page 9 – D503005, third paragraph indicates that the contractor is only responsible to provide empty raceways, pull strings, outlet boxes, cover plates and associated power outlets and that these ESS systems are installed by others. The Pricing Schedule lists Item 003, Option 2 as a price add to provide the ESS systems and states that the base bid Item 001 shall include the infrastructure for the ESS to include cable, pathways, junction boxes, electric door hardware and dedicated electrical circuits for the ESS.

Please clarify as the Price Schedule description for the Bid Item 001 scope includes cable and electric door hardware while the D503005 description does not include these items as the basic requirement.

**Response: For the ESS, the Contractor is responsible for providing empty raceways with pull strings, outlet boxes, cover plates and associated power boxes and that Pax River will be responsible for providing the devices, equipment and wiring. Regarding the locksets, based on information provided by Pax River that they are to be provided by the Contractor. C102007 includes the generic specification requirements for the locksets provided by Pax River.**

**39. Question:** Part 3, Chapter 6, ESR D50, Page 10 – D503005, last paragraph states provide empty back box and conduit system for security cameras located in the corridors outside the Mission Control Rooms. Is this the limit of the CCTV system?

**Response: Yes, this is the limit of the CCTV system. A separate security contractor will provide the wiring and devices.**

**40. Question:** Part 3, Chapter 6, ESR D40, Page 8 – D4010, states to modify the existing fire alarm system in B/2118 and extend into the new building addition. Please advise as to the manufacturer of the existing Fire Alarm System and the location in B/2118.

**Response: The existing system is by Notifier.**

**41. Question:** Part 3, Chapter 6, ESR G10, Page 6 – G1040, states “A contaminated soil/groundwater report is provided to support this project and is attached in Part 6”. Please clarify as we have not found this report as part of the Part 6 documents.

**Response: The Report was included in the solicitation under Hazmat Survey Part 6 attachment 6.04.**

**42. Question:** Part 3, Chapter 6, ESR G40, Page 2 – G401007, 2<sup>nd</sup> paragraph and G403001, 1<sup>st</sup> paragraph. These paragraphs identify manhole 2.4 next to building 2400 as the telecommunication cable connection location for the addition. Please clarify, neither manhole 2.4 or building 2400 can be located on the concept drawing provided.

**Response: See response to question number 36.**

**43. Question:** Part 3, Chapter 6, ESR G40, Page 1 – G401002, and concept drawing E-501. E-501 states that the SMECO transformer is to be located on the parking lot island. Please identify the required parking lot island on the concept drawing.

**Response: The proposed new SMECO pad mounted transformer is located on the Island between parking spaces. Pax River has directed that the single Generator be located in the fenced-in utility area North-East of Building 2118 as shown on drawing E-104.**

**44. Question:** Part 3, Chapter 6, ESR D50, Page 11 – D509002, and concept drawing E-501. D509002 states that the generator(s) are to be located in the existing utility fenced area behind the existing building. E-501 states that the generator(s) is to be located on the parking lot island. Please clarify where the emergency generator(s) are to be located.

**Response: The two generators are to be located outside the fenced-in utility area and adjacent to the new building. Contractor will need to coordinate the exact location with PAX River.**

**45. Question:** Part 3, Chapter 6, ESR G40, Page 2 – G401007, indicates that the telecommunication and electrical manholes are to have locking lids. Please confirm that this applies only to the new manholes installed under this contract and not existing manholes.

**Response: Yes, this applies only to new manholes installed under this contract.**

**46. Question:** Part 3, Chapter 6, ESR G20, Page 7 – G205005, last sentence in part states “Exterior trash enclosures will receive planting of evergreen trees and shrubs for screening. Please confirm there is no exterior trash enclosures required for this contract.

**Response:** No exterior trash enclosures are required for this project.

**47. Question:** Part 3, Chapter 6, ESR D30, Page 7 – Internal Loads, 2<sup>nd</sup> sentence states “Specialty equipment loads shall be based on the equipment cut sheets. Please clarify if this specialty equipment referenced is the Government installed equipment, if so the loads for this equipment are necessary to develop HVAC equipment sizes during this proposal stage to develop an accurate cost estimate.

**Response:** This is a final design item which the AE2 must verify with the tenant organization. Sensible equipment loads were based on the following. Equipment types and quantities were provided by the end user. AE2 shall verify all equipment sizes and quantities with the end user prior to final design load calculations.

<i>Control Room-1</i>	<i>Workstations</i>	<i>56</i>
	<i>60” Monitors</i>	<i>5</i>
	<i>Server Racks</i>	<i>2</i>
	<i>Copier</i>	<i>2</i>
<i>Control Room-2</i>	<i>Workstations</i>	<i>56</i>
	<i>60” Monitors</i>	<i>5</i>
	<i>Server Racks</i>	<i>2</i>
	<i>Copier</i>	<i>2</i>

**48. Question:** Part 3, Chapter 5, Room Requirements, Mission Test Cell/Control Rooms – the Acoustics requirements indicate an STC 45 minimum floor, interior and exterior walls, roof/ceiling. As there are first floor ceilings below these Mission Test Cell/Control Rooms should the STC 45 minimum for the second floor include the first floor ceiling?

**Response:** Yes. The acoustic requirements apply to all of the construction surrounding the Mission Test Cell/Control Rooms – walls, floor/ceiling assemblies and roof ceiling assemblies.

**49. Question:** Part 3, Chapter 6, ESR D50, page 11 – D509002 6th paragraph states “The generator shall burn natural gas or diesel fuel...”. Please confirm that no natural gas is available for use on this project.

**Response:** Natural gas is not currently available at the site.

**50. Question:** The electrical equipment related to the emergency generators are required to be located in a separate room from the normal service equipment per NFPA 110,7.2.3. The conceptual drawings indicate only one electrical room. Please advise how the emergency power equipment is to be located within the building?

**Response:** AE2 is responsible for final building and system design and layout and therefore must coordinate required equipment space and configuration.

**51. Question:** What function does the Video vault serve on the first floor?

**Response:** This room has racks to store equipment and includes a work station.

**52. Question:** Are there any other rooms requiring AV such as visitor lounge?

**Response:** Please see Part 3 – Chapter 6/ESR E10, E102009.

**53. Question:** Where will the support equipment for the AV rooms go? In a separate room or in the same room?

**Response:** Please see Part 3 – Chapter 6/ESR E10, E102009.

**54. Question:** Are there any digital signage requirements?

**Response:** Please see Part 3 – Chapter 6/ESR E10, E102009.

**55. Question:** Are there any other AV technology requirements not specified?

**Response:** Please see Part 3 – Chapter 6/ESR E10, E102009.

**56. Question:** Is there a preference for VTC hardware vendor? Polycom or Cisco?

**Response:** Please see Part 3 – Chapter 6/ESR E10, E102009.

**57. Question:** Is there a preference for hardware or software codec for VTC communications? ie. Adobe connect, Webinar, WebEx, Google connect etc.

**Response:** Please see Part 3 – Chapter 6/ESR E10, E102009.

**58. Question:** Is there any AV requirement for the Control Room/Mission Test Cell 1 and/or Control Room/Mission Test Cell 2?

**Response:** Please see Part 3 – Chapter 6/ESR E10, E102009.

**59. Question:** Is there a requirement for AV to the desktop for the Control Room/Mission Test Cell 1 or Control Room/Mission Test Cell 2?

**Response:** Please see Part 3 – Chapter 6/ESR E10, E102009.

**60. Question:** Are there AV signals from other base locations that need to be included in the design?

**Response:** Please see Part 3 – Chapter 6/ESR E10, E102009.

**61. Question:** With the number of questions pending and to permit sufficient time to incorporate responses once provided please extend the bid date to allow 2 weeks following issuance of answers to the bid date.

**Response:** The date was extended to June 30 in Amendment 0007.

**62. Question:** If the 2nd floor SAPF area is considered one complete secured area, will it consist of one Intrusion Detection System (IDS) for the entire floor?

**Response: Only the Mission Test Cells are SAPF spaces.**

**63. Question:** If this is true, will the two Mission Test Cells, POP Room and Mission Debriefing room secured areas connect to the 2nd floor IDS as secured areas? Or are the two Mission Test Cells, POP room and Mission Debriefing rooms separate secured areas each getting their own IDS?

**Response: Only the Mission Test Cells are SAPF spaces.**

**64. Question:** If the 2nd floor SAPF area is considered one complete secured area will it consist of one local Access Control System (ACS) for the entire floor?

**Response: The entire floor is not considered a SAPF area.**

**65. Question:** The JAFAN 6/9 Manual identifies three types of SAPFs. Closed Storage, Open Storage and Continuous Operation. Please identify the type of facility standard, and the construction requirements, should be followed for P -155.

**Response: The SAPF spaces are considered "3.1.2 Open Storage". Part 6.03 of the RFP includes specific "Limited Construction Standards for P155 Project SAPF" provided by Pax River.**

**66. Question:** Part 4, Section D50-509007 states to provide photovoltaic system on building rooftops. This is not mentioned anywhere else in the RFP. Please confirm that it is not required.

**Response: Domestic Hot Water Solar Panels are not required. The roof does not need to be designed for possible future domestic hot water solar panels.**

**67. Question:** Section 013310-1.11.f for Basis of Design states: “f. Provide an exterior enclosure vapor pressure analysis, hygrothermal analysis, and written/graphic descriptions for each unique wall and roof assembly used as part of exterior enclosure barriers. Analysis and written/graphic descriptions for each unique wall and roof assembly used as part of exterior enclosure barriers.”

Also Part 4 Section B2010 states “a. Vapor Transmission Analysis - Perform a job specific vapor transmission analysis in accordance with UFC 3-101-01, Architecture. The conclusion of the analysis shall indicate the appropriate locations of needed vapor retarders, air barriers, and anticipated dew-point locations in the exterior enclosure during different critical times of the year.”

The RFP states that an air barrier system is required on this project. Therefore, is this costly analysis even necessary? Please confirm that the analysis is not required.

**Response: Yes, it's required per UFC 3-101-01. This needs to be done in order to determine where in the wall the vapor or moisture barrier should be installed. It depends on the materials in each wall condition, and should include taking a look at the type of finish on the interior wall face.**

**68. Question:** Are GIS As-built documents required on this contract? There is no mention in the RFP, but there is an attachment in Part 6 entitled “Geographic Information System Deliverables”.

**Response: Yes. Please see attached spec 01 78 30.00 23.**

**69. Question:** Part 3 Chapter 6 Section D503001 calls out for the contractor to terminate and test the 2<sup>nd</sup> floor communications cables installed and jacked by the user. How many individual cables should we budget for?

**Response: The horizontal cabling being installed by the user will be terminated and tested by them. The testing needed on the 2nd floor will be for the cabling being installed by the contractor. The 100 Pair Cat 6 copper wire and (24) strand single mode fiber.**

**70. Question:** The new building addition roof elevation is higher than the B/2118 roof. Part 3, Chapter 6, ESR A10 page 1, Roof Snow Loads states, “Drift loads on adjacent structures will be taken into consideration” Accordingly snow drift loading on the existing B/2118 roof structure must be considered as part of this project design. Analysis of the existing roof structure will be necessary to determine if/what roof system reinforcing is required.

- a) Can the Government provide the existing precast roof framing manufacturer contact or copies of the precast roof double tee shop drawings to determine design capacity of the existing B/2118 roof deck.
- b) Absent the existing precast precast roof double tee shop drawings please provide direction relative to design for snow drift loading on the existing B/2118 roof structure.

**Response: a) No, the government will not provide this information.**

**b) The anticipated snow drift on the existing roof has been accounted for based on the RFP design layout. Structural modifications to the existing structure is not anticipated based on the RFP design layout and the available existing structural drawings (not the precast shop drawings). However, per ESR B10, drift loads on adjacent structures (per the existing structural drawings) shall be taken into consideration for final design layout developed by the Engineer-of-Record/Designer-of-Record.**

**71. Question:** Part 3, Chapter 6, ESR E10, Page 2 – E102009, last paragraph states “AV equipment will be identified as a separate line item, and prices separately from the FFE. AV Equipment will be funded as an option.”

Part 3, Chapter 6, ESR E20, Page 1 – E20 last paragraph states “The Audio Visual (AV) Equipment will be identified as a separate line item, priced separately from the FF&E and funded as an option. Please clarify as there is no Option for the AV equipment included in the Pricing Schedule

**Response: AV equipment pricing will not be identified as a separate line item on the Pricing Schedule. It will be priced separately but not a part of the contract. The RFP includes the infrastructure for the AV equipment.**

**72. Question:** Part 3, Chapter 6, ESR D50, page 11 – D509002 2nd paragraph discusses the base bid and alternate bid option scenario for emergency power generation. Please confirm the base and option bid item emergency power generation scenarios below.

Base bid - a single emergency generator (750 KW per E-501) will power the entire building load through ATS-1, ATS-2 and ATS-3.

Option bid item - two generators operating in parallel (lead and lag) will be sized to power only the egress/life safety loads for the entire building (ATS-2) and second floor loads/mechanical equipment (ATS-1), under the option bid item no first floor loads powered by the emergency generators (therefore ATS-3 not required). Please advise if this interpretation is correct.

**Response: Base Bid -The intent is to have one generator power the entire building through the three automatic transfer switches. The exact size will need to be determined by the AE2. Option bid item - The intent for the option is to have two generators operating in parallel. Each generator will be sized to serve the life safety loads, the second floor loads and the mechanical equipment. With both generators running, the entire building load (first and second floors) will be served. In the event that one generator fails to start, the second generator will serve the life safety loads, the second floor loads and the mechanical equipment. The first floor loads will load shed in the event**

**that only one of the paralleled generators are working. This is a redundant arrangement and not lead lag.**

**73. Question:** Part 3, Chapter 6, ESR D50, page 11 – D509002 2nd paragraph, last sentence states “Provide load management system to shed load in the event that generator capacity for the entire building is not available.”

Question #1 – does this load shedding apply to the base bid emergency power scenario as it refers to the “whole building”

Question #2 – Please provide a list of the non-critical loads that can be shed.

**Response: Question #1 - If the single generator is sized correctly for the whole building, load shedding should not be necessary unless there is a mechanical or electrical problem with the generator. The priority would be to shed the first floor first and then the second floor and mechanical equipment. The life safety loads are to remain on.**

**Question #2 - The first floor is a non-critical load.**

**74. Question:** Amendment #7, Question and Answer #12-a states that the generator shall be located in the utility area as “shown on Drawing E-104”. We do not have a Drawing E-104. Please issue.

**Response: Drawing E-104 was not a part of the solicitation. See amendment 0007 response to question 12 is as follows:**

- a) **The intended transformer location is in the triangular shaped island directly to the NE of the new building’s electrical room, approximately 75’ from the building.**

**75. Question:** Amendment 007, question response #12 stated that the single generator is to be located in the fenced –in utility area North-East of Building 2118 as shown on drawing E-104. Drawing E-104 has not been provided in the original solicitation or subsequent amendments. Will drawing E-104 be provided?

**Response: Drawing E-104 will not be provided. See answer to Question 74.**

(End of Summary of Changes)