

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

IFB Questions and Responses

STATUS DATE: October 28, 2015

Q#	Questions	WMATA Responses or Clarifications
1	We may be interested in bidding on the referenced project if it is big enough for us to be competitive. Is there a published dollar value range for this project?	WMATA will not issue the dollar range for this project.
2	We are looking to bid the subject project, but there is some confusion on where and when the Pre-bid conference is being held. The Letter to Contractors indicate the Hyattsville location at 10 AM while the solicitation instructions instruct us to meet at JGB at 8:30 AM. Can you clarify which time/location is correct?	IFB Letter information is correct: Pre-Bid Conference: will be held on October 20, 2015 starting at 10:00 AM at 8100 Professional Place, Hyattsville, MD 20785-2225, Conference Room #1, 1st Floor. Item 4 of Solicitation Instructions (pdf page 20 of 421 in Volume 1) will be corrected in future Amendment.
3	In the TBS drawings, it shows the HMI being a separate unit from the RTU, with the RTU being combined with the network cabinet. In the SCADA drawings, it shows the HMI and RTU being combined with a separate network cabinet due to space constraints. Please clarify which would be correct, and where in the TBS they would be situated.	Drawings K06TB2-TB-200, K07TB1-TB-200, K07TB2-TB-200, G01TB-TB-200, G02TB1-TB-200, G02TB2-TB-200 show HMI and RTU as separate entities. SCADA Drawings ST-SC-G-SSI-004 and ST-SC-G-SSI-011 show HMI and RTU as separate entites. Provide SCADA drawing numbers showing the HMI and RTU being combined.
4	The TBS drawing package cable schedules are inconsistent with the SCADA drawing package cable schedule. For example, various components are connected to the network switch via fiber and Ethernet cable to the network switch for indication in the SCADA drawings, while the TBS cable schedule shows them being connected via regular multiconductor copper cable to the HMI (which we are assuming is also the RTU at this moment). Please clarify what wires we should run, or if we are installing both schemes for compatibility and future development. Is it possible to get a consolidated cable schedule if the latter is the case?	Drawing K06TB2-TB-300 (pg 17), Drawing K07TB1-TB-300 (pg 25), Drawing K07TB2-TB-300 (pg 33), Drawing G01TBS-TB,-300 (pg 41), Drawing G02TB1-TB-300 (pg 49) , and Drawing G02-TB2-TB-300 (pg 57) will be corrected in the future Amendment. Please refer to the attached file "Response to RFI No.4" which shows what will be amended in each of the above listed drawings.
5	In order to prepare the most competitive solution, we request an extension to the bid date of three weeks. Please consider this request.	Amendment 1 will extend the Bid due date to November 25, 2015. The last date for submission of RFIs will be COB November 16, 2015.
6	Enclosed, please find our written request for an extension of the Washington Metropolitan Area Transit Authority, Six-(6) Tie Breaker Station Upgrade; Orange and Blue Line, Va., DC. and MD., project bid due date. 1. We would like to request an extension to the bid due date. Please extend the bid due date forty-four (44) days, to December 18, 2015?	Refer to response to RFI No. 5 in this document.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

7	There was no Systems Integration Specification included within the documents. Please provide if required?	Refer to Section 16606 SCADA Systems Integration For Tie Breaker Station - Site Acceptance Test Plan of VOLUME 2, TECHNICAL PROVISIONS
8	Is a Temporary DC Power Supply required during testing of the new DC Switchgear and who is responsible for this equipment?	Refer to Section 2.12 (C) TEMPORARY UTILITY AND ELECTRICAL SERVICES of Construction Special Provisions which requires to " <i>bring its own 125 DC power supply</i> ".
9	16051D-1.01-E references several specifications not provided. Please clarify?	The following revisions will be made in the future Amendment: 1. Delete Reference to Section 16051C - Scope of Work For Tie Breaker Stations -Replace with Section 01110 Scope Of Work 2. Delete Reference to Section 16053 - Operations and Maintenance Training 3. Delete Reference to Section 16260 - Uninterruptible Power System and Switchgear Control Power Batteries, Replace with Sections 16265 Battery and Battery Monitoring Systems and 16266 Battery Charger
10	Volume 1, Page 5 notes for Railroad Protective Insurance; "For bidding purposes, an allowance will be provided on the Unit Price Schedule." The bid form does not currently have an allowance for Railroad Protective Insurance. Please clarify?	Line Item 008 RAILROAD PROTECTIVE LIABILITY WAIVER FEE for a lums sum allowance of \$30,000 will be added to Amendment 1.
11	Volume 1, page 208, section 2.58.7 notes the contractor shall provide a full time Quality Manager, while page 218 and 219, section 2.68 notes the Quality manager as half time. Please clarify?	Please refer to Section 2.58 as the Section that conforms to Quality with the exception that the 2.58.7 will be changed in Amendment 1 to require a half-time Quality Manager.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

12	Specification 128 requires custom manufactured wire with large minimums exceeding the quantities required for this contract. Please confirm bidder is required to comply with this specification?	WMATA confirms that the Contractor shall comply with Section 16128 WIRE AND CABLE FOR TRACTION POWER of Volume 2, Technical Provisions.
13	Volume 1, Section 2.68 Contractors Qualifications are not indicated to be submitted as part of the pre-award data for purposes of being considered before award. We suggest these qualifications be submitted as part of the pre-award data and reviewed by WMATA prior to award.	Section 2.68 (b) (1) Contractors Qualifications shall remain unchanged.
14	Requirement is for a VA Class A license. It does not specify a specific trade. Are we to assume any VA Class A license would be applicable?	The Bidder must comply with federal, state and local laws and regulations including Virginia State licensing requirements. Refer to Virginia State licensing requirements.
15	To the above question-If a specific trade is required, are we in compliance as long as the application has been submitted and we are awaiting to take the test?	The Bidder must comply with federal, state and local laws and regulations including Virginia State licensing requirements. Virginia State licensing requirements.
16	What will the possibility of an extension to the bid date?	Refer to response to RFI No. 5 in this document.
17	could you please confirm our understanding that a WMATA badge is not required for the Pre-Bid and Site Visit.	Refer to Pre-Bid Conference Clause of IFB Letter in Volume 1 BIDDING AND CONTRACTING REQUIREMENTS, p.6 of 421.
18	In cable schedules K07TB1-TB-300, K07TB2-TB-300, G01TBS-TB-300, G02TB1-TB-300, the cable schedule shows that we will have to run power feeds to lighting beyond the Tie Breaker Stations. We request for more information regarding this scope regarding distance and the number of devices powered off of the circuit.	<p>Cable schedule references: K07TB1-TB300, K07TB2-TB-300</p> <ul style="list-style-type: none"> - Station Indoor Lights refers to Tie-Breaker-Station indoor lights. - Outdoor Lighting refers to outside the TBS above the door light. - All lights to be replaced are shown on the drawings. <p>Cable schedule reference: G01TBS-TB-300:</p> <ul style="list-style-type: none"> - Station Lights refers to the Lights inside the TBS <p>Cable schedule reference: G02TB1-TB-300:</p> <ul style="list-style-type: none"> - The Contractor shall connect existing Vent Shaft Light circuit to new Panelboard LC-5. The Contractor shall adjust breakers so that no new splices are required in this existing circuit.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

19	Please provide the location of the negative polarity junction boxes as indicated in cable schedules K06TB2-TB-300, K07TB1-TB-300, K07TB2-TB-300, G01TBS-TB-300, G02TB1-TB-300, and G02TB2-TB-300.	Pending WMATA response.
20	I'm also hearing this project may not happen. We have a team flying in. Is there still a prebid Tues?	Refer to response to RFI No. 2 in this document.
21	It appears that the performance and payment bond forms are mixed up; the language reads The obligee's performance bond covers "payment to all claimant as hereinafter defined" but claimant is not defined in the bond form. The obligee's payment bond states "the principal shall performance and fulfill all the undertakings, covenants, term, conditions and agreements of the said contract...". It appears that the obligee has the NOW THEREFORE paragraphs in the performance and payments crisscrossed. Please confirm that the language in the paragraphs beginning with "now therefore" in the payment and performance bond forms are correct or not.	Yes, NOW THEREFORE paragraphs in the performance and payments bonds are crisscrossed. WMATA will issue revised forms for Performance Bond and Payment Bond in the Amendment 1.
22	General Insurance Requirements: Please delete item #3 under the General Insurance Requirements, We can only supply copies of certificates of insurance to evidence coverage.	Item No. 3 in General Insurance Requirements shall remain unchanged. As an additional insured WMATA is entitled to have a copy of the policies.
23	Commercial General Liability, Required Minimum Coverage(s)- Item #7- Please consider removing this requirement, leaving this in would result in an additional premium charge.	Item No. 7 under Commercial General Liability, Required Minimum Coverage(s) shall remain unchanged.
24	Commercial General Liability, Required Minimum Coverage(s)- Item #8-We are only able to provide item #7 or item #8, asking for both items does not make sense. Please consider removing one of these items.	WMATA will delete Item No. 8 under Commercial General Liability, Required Minimum Coverage(s) in the future Amendment.
25	Railroad Protective Liability Insurance (RRP)-We would have to procure this coverage at an additional cost. We would need to know the proposed project duration and anticipated contract value to obtain a quote for this coverage. Please consider removing this requirement.	This requirement remains unchanged. Refer to Note 10 in Notes to Bidders in the Unit Price Schedule: "If the contractor chooses to not utilize the WMATA RRPL, then WMATA will reimburse the contractor for the actual cost with no markups up to the amount (not allowance) that would have been paid for the WMATA waiver fee." Line Item 008 RAILROAD PROTECTIVE LIABILITY WAIVER FEE for a lump sum allowance of \$30,000 will be added to Amendment 1.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

26	Certificate of Insurance (COI)- under the word additionally, Item #2. Please remove the words "or policies" from the sentence.	Certificate of Insurance (COI)- under the word additionally, Item #2 shall remain unchanged
27	Contract language does not appear to have a clear cure period for a material breach of contract. Please consider adding a period of 14 days for Contractor to cure a material breach.	WMATA will not consider this suggestion for this Contract.
28	<p>Contract language does not appear to have an overall limitation of liability, or contain a disclaimer for indirect and consequential damages. Please consider adding the following language; "Contractor shall not be liable, under any theory of liability whether in contract, warranty, tort (including negligence or strict liability), indemnity, or any other legal or equitable theory for damage to or loss of other property or equipment, business interruption or lost revenue, loss of profits or sales, costs of capital, for any loss of use, for any loss or corruption of data or for any special, incidental, punitive, indirect or consequential damages or for any other loss, costs or expenses of a similar type; even if it has been advised of the possibility of such damages or even if the remedy fails of its essential purpose. In no event shall Suppliers' total liability under this contract exceed 100% of the final Sub-subcontract amount, provided however, such limitation liability shall not apply in the case of liability incurred due to Suppliers' fraud, gross negligence, abandonment, and/or willful misconduct".</p> <p>Contractor's indemnity obligation shall be limited to its fault and/or negligence. The indemnification obligations are conditioned upon the following: (i) Contractor gives prompt written notice to Supplier of the claim(s), and (ii) Owner provides all reasonable assistance in defense of the claim(s)".</p>	Indemnity language cannot be changed and will not agree to limiting the indemnity in this manner.
29	Section 2.2 Liquidated Damages- Please consider adding that Liquidated Damages shall be the sole and exclusive remedy for delay, and that the total amount of liquidated damages that Authority may assess for any and all non-excusable delays shall not exceed 15 percent of the total contract price.	The language shall remain as is.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

30	<p>Section 23 "Licenses" of the Solicitation Instructions asks for Virginia Contractor License #, while section 2.54.1 "Contractor's License" of the construction special provisions states that contractor's must show evidence of a certificate of registration as required by the following; (1) District of Columbia, (2) Maryland, (3) Virginia and including any local jurisdictions therein. Please clarify which Contractor's licenses the Contractor will need to have to work on the project.</p>	<p>The Contractor shall comply with Federal, State, Local laws and regulations. Refer to Clauses 1.12 PERMITS AND RESPONSIBILITES, 2.54 LICENSES of Construction General Provisions. In addition refer to Paragraph 1.02 REFERENCES in Section 01110 SCOPE OF WORK of Technical Provisions which lists codes, regulation, reference standards and specifications. Note Paragraph (2) PAST EXPERIENCE AND QUALIFICATIONS of Clause 14. PRE-AWARD INFORMATION which requests (b) Copies of all necessary certifications, licenses and other documentation, including any specialized licenses required to meet health and safety rules and regulations, required by the plans and specifications demonstrating that the bidder has the necessary capabilities to perform the work. Per Paragraph b of Clause 14. PRE-AWARD INFORMATION "...the apparent lowest responsive bidder is required to furnish, within five calendar days after bid opening, pre award data as required by the "Bidder's Qualifications" article...".</p>
31	<p>I/We missed the prepaid today, I would like to be included on the registration list for DBE. Please advise how to proceed.</p>	<p>Per Appendix B "DBE" "All DBE firms must be pre-certified". Participation by a firm that is not currently certified as a DBE by the Authority at the time of the due date for bids or offers on a contract, does not count towards the DBE goal." WMATA cannot include your company in the list of companies which attended the Pre-Bid Conference because your company was not physically present there.</p>

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

32	G01TBS-TB-200. Please provide location of the receptacles to be powered or replaced inside the TBS station	Pending WMATA response.
33	G01TBS-TB-300. Provide location of Supervisory cont terminal box inside the TBS station.	Refer to Drawing G01-TBS-TB-201 which labels the subject question as EX. DTS Cabinet.
34	G01TBS-TB-300. Please clarify scope of work for 1000 MCM cable from DC switchgear to contact rail and length of cable if it's a part of contractor's scope of work	All indications of Track feeder Cables extending from the TBS to the 3rd Rail will be removed from the drawings as a part of the future Amendment. Track feeder cable work is not in the Contract SOW.
35	K07TB2-TB-200/-300. Provide location of Unit Heaters inside the TBS station	Pending WMATA response.
36	K07TB2-TB-200/-300. Provide location of exhaust fans inside TBS station	Pending WMATA response.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

37	Please clarify scope of work for ETS jumpers on the rail-side, length and size of jumpers if it's a part of contractor's scope of work	ETS jumper cable work is not part of the Contractor's the Scope of Work. WMATA will refer to the section in the IFB in the future response.
38	Please confirm exterior lighting on all TBS locations versus drawings	Exterior lighting is only applicable to the outside building locations. Refer to Drawings No. K07TB2-TB-001; K07TB1-TB-001; K06TB2-TB-001 for picture locations. WMATA will revise the drawings in the future Amendment.
39	Please confirm scale on all drawings	Pending WMATA response.
40	Please provide confirmation that scope of work for hauling of all tools and equipment will be provided by the authority	Refer to Volume 2, Section 01110, Scope of Work, 1.01 Summary, F.
41	SP 2.13.A Indemnity: 1. Please confirm Indemnity is limited to third party claims only?	No, it is not. Refer to Clause 2.13 (b) INDEMNIFICATION AND INSURANCE of Construction Special Provisions.
42	SP 2.13.A Indemnity: 2. Please confirm Indemnity is limited to Contractor's Negligence in performing the work?	No, it is activity-based indemnity. Refer to Clause 2.13 (b) INDEMNIFICATION AND INSURANCE of Construction Special Provisions.
43	SP 2.13.A Indemnity: 3. Please confirm Contractor is only responsible for claims to the extent caused by Contractor?	No. Refer to Clauses 2.13 (a), 2.13 (b) INDEMNIFICATION AND INSURANCE of Construction Special Provisions.
44	SP 2.13.A Indemnity: 4. Please confirm Claims must be limited to bodily injury and property damage?	No. Refer to Clauses 2.13 (a), 2.13 (b) INDEMNIFICATION AND INSURANCE of Construction Special Provisions.
45	Drawing TBS-G-010, Note 7 states "All External Control, Indication and Power Cables are N.I.C". This conflicts with the cable schedules K06-TB2-TB-300, K07TB1-TB-300, and G01TBS-TB-300 which all show replacing feeder(s) to the contact rail. Please clarify which is correct?	Pending WMATA response.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

46	Drawing(s) K06-TB2-TB-300, K07TB1-TB-300, K07-TB2-TB-200, G01TBS-TB-300, G02-TB1-TB-200, and G02-TB2-TB-200 SCADA Note 3 all indicated the Network Switch Enclosure is to be provided by the contractor. Drawing ST-SC-TB-SSI-203 shows zero's for the quantities of Network Switch Enclosures to be provided. Please clarify?	Pending WMATA response.
47	Drawing ST-SC-TB-SSI-200 has a Note 15 on one of the Cable Shield Monitor Sensor's. Note 15 is not provided. Please provide?	Pending WMATA response.
48	In cable schedule G02TB2-TB-300, we see a circuit AC-3 that goes from the existing 480V AC Panel. However, in the equipment layout in G02TB2-TB-200, the panel does not seem to be depicted. Please clarify the location of this panel.	Pending WMATA response.
49	On G02TB2-300, circuit MA-7 points to a DC SWGR Unit No. 5. This switchgear unit does not seem to exist.	Pending WMATA response.
50	Special Provisions page 132 does not address ETS testing for 'cutover activities.' Page 18 technical provisions requires ETS testing. Who will perform this test to provide results? This testing requirement calls for 3 separate tests.	Pending WMATA response.
51	Please identify any salvaged equipment that the authority wishes to keep. If any, provide qty's of each type, and address of delivery.	Pending WMATA response.
52	Please provide rail gap measurements so bidders can quantify temporary 2KV 1000 MCM jumpers. Please provide us with the number of jumpers required per gap.	Pending WMATA response.
53	Specification 16525-2.02-A.3.I.5 and 6 calls for both Cell and System Level monitoring. In the past, only system level monitoring has been required. Please confirm both are required for this project.	Pending WMATA response.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

<p>54</p>	<p>WMATA's response to question #14 is misleading. WMATA is it's own Authority Having Jurisdiction, which means in the majority of cases, federal, state, and local permits are not required. This means an unlicensed contractor can perform work for WMATA as they don't need to pull permits which is really the only time a contractor has to provide proof of license. This project is an extremely complex electrical project. Please confirm WMATA would expect that all electrical work shall be performed by licensed electrical contractor's in the jurisdiction the work is in, meaning the work in Maryland shall be performed by electrical contractor's licensed in Maryland, and similarly for Virginia and DC? This will insure the work is performed under the licensing of a Master Electrician. Further as DBE's are required to be certified at the time of bid, bidders should be required to be licensed at the time of bid as otherwise WMATA could award to a contractor that later is unable to get licensed.</p>	<p>Response to Question No. 14 shall remain as is. WMATA is not an Authority Having Jurisdiction. The Contractor shall comply with Federal, State, Local laws and regulations. Refer to Clauses 1.12 PERMITS AND RESPONSIBILITES, 2.54 LICENSES of Construction General Provisions. In addition refer to Paragraph 1.02 REFERENCES in Section 01110 SCOPE OF WORK of Technical Provisions which lists codes, regulation, reference standards and specifications. Note Paragraph (2) PAST EXPERIENCE AND QUALIFICATIONS of Clause 14. PRE-AWARD INFORMATION which requests <i>(b) Copies of all necessary certifications, licenses and other documentation, including any specialized licenses required to meet health and safety rules and regulations, required by the plans and specifications demonstrating that the bidder has the necessary capabilities to perform the work.</i> Per Paragraph b of Clause 14. PRE-AWARD INFORMATION "...the apparent lowest responsive bidder is required to furnish, within five calendar days after bid opening, pre award data as required by the "Bidder's Qualifications" article...". DBE: Refer to Paragraph F of Clause 5. HOW DBE PARTICIPATION IS COUNTED TOWARDS THE CONTRACT GOAL in Appendix B DBE.</p>
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FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

55	SECTION 16051D p. 24, para 1.03.F.4 Q Since certifications do not exist for all of the three protocols referred, can we assume that references or industry experience will be sufficient as evidence to the RTU and vendor's capability	Pending WMATA response.
56	SECTION 16051D p. 25, para 1.03.F.5.f Q "All RTU programming including database shall be... " would seem to suggest the master station database is the responsibility of the contractor, can you please clarify.	Pending WMATA response.
57	SECTION 16051D. p. 25, para 1.03.G Q Can you please clarify the sequence of events in the execution of this project from a RTU vendor perspective. We understand there to be a design approval process, FAT, then is there a SAT at the WMATA LAB before equipment deployment? Or, is this after. Can you clarify where this step fits in the sequence of design, acceptance and deployment of equipment, and how much time and resources will be expected to support this effort.	Pending WMATA response.
58	SECTION 16051D. p. 28, para 1.06.E Q Can we confirm that the OWNER needs are what is specified in Section 16602, para. 1.06. If otherwise, can you please specify what other training requirements will be required of the OWNER.	Pending WMATA response.
59	SECTION 16051D. p. 31, para 1.08.F Q Please clarify "coordination", will WMATA be supplying the switches configured. If not, will this be the RTU vendor's responsibility to configure based on information supplied by WMATA IT. Can it be assumed power for the switch will need to be taken into consideration as part of the RTU design. Please confirm all warranties, licenses will be WMATA's responsibility.	Pending WMATA response.
60	SECTION 16051D. p. 34, para 3.01.F Q Please confirm that WMATA IT will install the switches, will this be done in the factory, or field, and is this a part of the FAT and SAT.	Pending WMATA response.
61	SECTION 16051D. p. 36, para 3.03.A Q Please confirm who had responsibility to insure OCC is fully compatible with the point mapping and integration, and how will this be done. Please also confirm that all Master Station database development and configuration is WMATA's responsibility.	Pending WMATA response.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

63	SECTION 16602. p. 246, para 1.01.E Q RTU interface with Emergency Trip Stations is required. Please clarify how WMATA intends to perform this interface, if a separate ETS data concentrator configured and programmed to interface with ETS system is required in the RTU cabinet.	Pending WMATA response.
64	SECTION 16602. p. 249, para 1.04.D Q Please confirm that WMATA is responsible for Ethernet switches (provided and installed by WMATA) warranty.	Pending WMATA response.
65	SECTION 16602. p. 249, para. 1.04.E.3 Q Is it required that the FAT be held in the USA.	Pending WMATA response.
66	SECTION 16602. p. 249, para 1.04.E.4 Q Please clarify if the Ethernet switches will be available and installed prior RTU fully assembled FAT.	Pending WMATA response.
67	SECTION 16602. p. 250, para 1.04.F.2 Q To demonstrate or verify communication with the master station will require database development, is WMATA taking responsibility to create the master station database.	Pending WMATA response.
68	SECTION 16602. p.251, para 1.05.A.1 Q Please clarify the intent of this paragraph. Is it additional of what is requested in paragraph 1.05.A.4? As per our interpretation WMATA wants an independent testing company to test the RTU software communication with the systems in substation and to show that it is conforming to IEC 61850. In this case these tests can only be possible to perform during FAT and/or Field Testing and never at time of bid. Please confirm if we have to carry the costs of this independent testing company on the bid price and when do you what to perform the tests. Also in order to estimate the cost of this test, please provide the list of equipment using IEC61850 in the Tie Breaker Station.	Pending WMATA response.
69	SECTION 16602. p. 255, para 1.06 Q Please confirm the required RTU training requirements will be; Operation & Maintenance - 3 days, 1 session RTU Maintenance - 1 day, 1 session Engineer's Course - 3 days, 1 session	Pending WMATA response.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

70	<p>SECTION 16602. p. 258, para. 2.02.B.9</p> <p>Q Technical onsite support and integration, is it required to come from the OEM, or will a local integrator be an acceptable resource.</p> <p>It is also requested a minimum of 1 week of on-site technical support for each RTU locations for systems integration. Specification section 16606 p.315, para 3.01 defines three (3) days to perform the field testing. Please clarify the required on-site time to perform the system integration testing.</p>	Pending WMATA response.
71	<p>SECTION 16602. p. 263, para 2.02.G.5</p> <p>Q Please confirm this paragraph is related to Analog Input Modules and is not required analog output signals on the RTU.</p>	Pending WMATA response.
72	<p>SECTION 16602. p. 264, para. 2.02.G.8.a</p> <p>Q Please clarify “The Master user shall be able to perform a virtual...” is there master station responsibility by the RTU vendor, and if so, please clarify what that shall be.</p>	Pending WMATA response.
73	<p>SECTION 16602. p. 266, para. 2.02.G.14</p> <p>Q Per this paragraph it is required terminal strips within the RTU cabinet for all connections for instrumentation and control signal. However, on page 271, paragraph 3.02.D. seems to indicate that there will be required a wall mounted interface cabinet which contains the terminal blocks for all external connections between substation and RTU cabinet. Please clarify if ALL status, analog and control points require terminal blocks and where it would be located: within RTU cabinet or in a wall mounted interface cabinet.</p>	Pending WMATA response.
74	<p>SECTION 16602. p. 268, para. 2.04.B</p> <p>Q Please clarify that in addition to the RTU manufacturer supplying configured RTUs, in addition the RTU manufacturer will supply two (2) weeks onsite working with WMATA developing a configuration template.</p>	Pending WMATA response.
75	<p>SECTION 16602. p. 268, para. 2.04.E</p> <p>Q Can WMATA please specify what equipment, how much, and how it should be packaged to be delivered to the WMATA LAB.</p>	Pending WMATA response.

FQ15237 Six (6) Tie Breaker Stations Upgrade Orange and Blue Lines VA, DC and MD

76	SECTION 16602. p. 270, para 2.06.B.16 Q Network switches are required to be installed in the RTU equipment rack. However, contract drawings shown the opposite, indicating the network switches installed in a separate cabinet and in some cases RTU cabinets with 90"H, higher than maximum dimensions required per spec. Please clarify where the network switches will be installed and the required design.	Pending WMATA response.
77	SECTION 16602. p. 271, para 3.02.E.2 Q Spec mentions a wall mount interface cabinet as necessary. Contract drawings do not show any of these cabinets so there is no way to figure where these cabinets are required. Are these cabinets required at each TBS location? If so, will terminal blocks be required for all the status, analogs and controls considered in the RTU?	Pending WMATA response.
78	SECTION 16602. p. 273, par. 3.03.B Q Does the manufacturing representative need to be the OEM, or is a third party representative acceptable.	Pending WMATA response.
79	SECTION 16603. p. 285, para 2.06 Q The requested software application for streaming data requires to be web based compatible with IE and Chrome browsers. Please advise if this is a mandatory request or if other type of configuration applications can be accepted.	Pending WMATA response.
80	SECTION 16604. p. 300, para 1.04.B.1 Q Please confirm when the Ethernet switches will be installed and tested by WMATA.	Pending WMATA response.
81	SECTION 16604. p.300, para 1.04.B.2 Q Please confirm Ethernet switches configuration, licenses and warranties are WMATA's responsibility.	Pending WMATA response.
82	There are several references in the specifications to spare parts. In regards to Spare Parts for the DC Switchgear, The Technical Provisions section 2.03 O states that Spare Circuit Breaker Elements are to be provided as indicated in the contract documents. Where in the contract documents is this requirements detailed?	Pending WMATA response.
83	I understand from earlier IFB responses that an addendum to this contract documents is to be issued. When will the addendum be issued?	Pending WMATA response.