Question 1: Specification Sections 26 05 00, 1.4, A, 1 and 1.4, K, 4, d require O&M manuals to be in “original manufacturer printed stock.” Can the Contractor print electronic, manufacturer-produced O&M manuals on 8.5” x 11” paper?

Answer 1: Yes

Question 2: Specification section 26 05 00, 1.4, A, 4 prevents the Contractor from purchasing equipment until after the Engineer reviews submittals. Because of the time constraints, will the Engineer commit to a 3-business-day turn-around for submittal reviews? If not, to what duration will the Engineer commit for submittal reviews?

Answer 2: Yes

Question 3: How many printed copies of project submittals will the Engineer require?

Answer 3: 3

Question 4: Specification Section 26 05 00, 1.13, E only allows the Contractor to work “during regular work hours, Monday through Friday, excluding holidays.” Because of the time constraints, will the Contractor be allowed to work at any time on any day?

Answer 4 Eastman: Eastman will begin a major Turnaround Easter weekend and it will last through mid- or late May. It will be very busy, so the process for obtaining access control badges and safe work permits may be prolonged. Eastman searches vehicles, too, so there may be some longer waits at the Gate.

- Eastman will have people dedicated to writing safe work permits for jobs (such as yours) not related to the Turnaround.
- Eastman does not anticipate the project team having problems accessing areas on Eastman site where they need to perform work. Traffic will be heavier, and there may be some blocked roads, but the work at the Dock should be unhindered, and Eastman does not expect anything to be a problem near the substation.
- Eastman is not sure about is the cable tray work, because they expect there to be some Turnaround work performed in cable trays and pipe racks. It is unknown at this time as to which cable trays and pipe racks are affected.
- The Turnaround will be finishing up in mid-May, so there won’t be as much activity going on.
- However, in preparation for start-up, Eastman limits access to certain areas of the plant to keep nonessential personnel out of the area during those critical hours. This limited access impact on project will depend on where and when the fiber is being routed.

Answer 4 POTC: There is no issue with working any time on any day.

Question 5: Specification Section 27 15 00, 1.5, A, 4 requires the Contractor to have an RCDD “on staff.” Does a subcontracted RCDD qualify as “on staff?”

Answer 5: Yes
Question 6: Specification Section 27 21 00, 1.5, A requires the Contractor to provide manufacturer certifications for the entire installation team. Can non-certified installers working in a helper or apprentice capacity with a certified installer participate in the project? If a manufacturer does not have a formal certification program, will a letter from the manufacturer stating the Contractor’s authorization to install, service and provide warranties on its products suffice?

Answer 6: Yes

Question 7: Specification Section 27 70 00, 1.7, B requires the Contractor to “store products in manufacturer’s unopened packaging until ready for installation.” Will you waive this requirement so that the Contractor can bench test and pre-configure electronic components prior to physical installation?

Answer 7: If requested as part of the submittal process and if there is an opportunity for owner’s engineers to review bench testing and/or pre-configuration of components.

Question 8: The wooden telephone pole, 4026, offers a significant challenge to mounting an open array radar system such as that suggested in the RFP and drawing. The cyclical motion caused by the rotation of the array may result in high vibration of the platform and sway motion of the pole. Such motion will affect the performance of the radar and camera image stability, and may result in damage to the pole, sensors, and/or power cables.

Answer 8: As referenced in specs, proposers can recommend alternative installation configurations to include installing radar and/or other equipment on existing pole that was previously used for radar array. See photos below:
Question 9: Request a 2 week extension of time to evaluate the suitability of this pole (Pole 4026) as a radar mounting platform and to investigate alternative solutions such as a standalone tower. A standalone tower would be the preferred solution from a standpoint of stability, life cycle maintenance cost, and system expansion in the event that additional sensors were to be added in the future. The requested extension would be required to evaluate soil quality, foundation requirements, and environmental impact in order to identify and propose an optimal approach.

Answer 9: It is unlikely that any amount of time extension will provide sufficient time to explore and obtain the necessary approvals for the addition of significant infrastructure at the radar site and still complete the project with the allotted time frame. See answer to question 8 above.

Question 10: During the pre-bid site tour it was implied that the primary camera should be controlled by the Genetec VMS as well as slewing to cue based on the radar, not just provide a video feed, this seems at odds with the spec. Please clarify as if this is the case it will add significant complexity.

Answer 10: The preference is to have the ability to PTZ control the camera from both the Genetec VMS and the small target detection radar system. However, there is no requirement to develop a custom interface to facilitate or de-conflict this dual control preference.

Question 11: The RFP references the radar/cameras tracking system being integrated ‘into’ Genetec. Is it acceptable to have the proposed radar tracking C2 system integrate with Genetec and provide live viewing, archive viewing and alarms/events from the Genetec system in the same interface as the radar tracking system with all video being stored within Genetec?

Answer 11: Yes.

Question 12: Can you give me more information on the Safe work permit process? Where is this done? How long? Is there a cost associated with this?

Answer 12: The Safe Work Permit is a typical industry process for allowing Maintenance and Construction personnel to work in areas and on equipment and systems. There is no cost, but it requires the Contractor team to obtain a Safe Work Permit from the Operations Control Room at the start of each work shift. These may be obtained in the morning or the evening, so working at night or on the weekends is not a problem.

- The Permit communicates hazards which may be expected during the work, and the protection (including Personal Protective Equipment (PPE) ) which may be required to perform the work safely. If work will be performed on or near high-voltage equipment, a separate Permit for that work will be required from our Power Distribution group. Project Contractor personnel must have typical PPE for the work they do – hardhats, safety glasses/goggles, hearing protection in noisy areas, appropriate gloves for electrical or sharp object work ...
- Depending on where personnel are physically located, they might need Flame Retardant Clothing. We are not aware of anywhere where they would need this because we don’t think they will be working in process areas, but understand that it may be required if personnel do work in those areas.
• Likewise, any kind of electrical work performed by them which presents the risk of electrical arc flash will require specific PPE.
• Eastman does not supply PPE to Contractors, so costs associated with any PPE requirements will be their responsibility.

Question 13: Are non-TWIC holders allowed to be escorted by other contractors?

Answer 13: Eastman: Eastman allows non-TWIC holders to be escorted by TWIC-holding Contractors. A 5:1 ratio must be maintained throughout our facility. It’s so much easier if everyone has a TWIC, though. Escorting is taken very seriously, as the United States Coast Guard likes to visit us and chat with people. To ensure employees are without TWIC cards are escorted each day, we give them Visitor badges which expire at the end of each day. The escorting process would need to be initiated each day the TWIC-less employee is on site. Eastman’s entire site will be in a turnaround from mid-April through mid-May, so personnel should expect delays in getting their access control badges processed.

Answer 13: POTC: The POTC allows non-TWIC holders to be escorted by TWIC-holding contractors. A 5:1 ratio must be maintained throughout the facility. The TWIC escort must stay with all non-TWIC visitors at all times.

Question 14: What is the Eastman contractor liability insurance limits?

Answer 14: General Liability - $1,000,000; Automobile Liability - $1,000,000; Excess Umbrella Liability – $5,000,000; Workman’s Comp - $1,000,000 Statutory. Eastman Chemical must be named as the Certificate Holder.

Eastman Chemical Texas City, Inc.
201 Bay Street South
Texas City, TX 77590

Question 15: What are the Eastman on-site specific training requirements?

Answer 15: The companies will need to establish an account with the Safety Council of Texas City in order for Eastman to add them to their Authorized Contractor List. This is necessary before they may register for Eastman Site-Specific training. This training is short and covers basic safety and security rules and responsibilities. Eastman’s FSO must be notified when the Companies have set up an account with the Safety Council of Texas City, so he can update their Authorized Contractor List.

• The employees must also successfully pass the Basic Plus or Basic Plus Refresher training before registering for our Site-Specific training.
• All of this training may be taken at any of the participating Safety Councils in the Texas / Louisiana area, but all registrations are routed through the Texas City Safety Council’s software portal. I’m not sure how many of the other Safety Councils which are not in Texas or Louisiana are in the network to register employees for the local Texas City petrochemical plants and refineries.
• Prior to showing up at Eastman, The FSO will need to know the names of each employee and employer, vehicular access requirements, and approximate duration (days, weeks) on site.
Question 16: It was mentioned that a list of approved/recommended electrical/fiber-optic installers would be made available, please could you forward this.

Answer 16: There is no preferred installer for electrical/fiber-optic installation. Any licensed qualified electrical/fiber-optic installers who possess TWIC cards will suffice. Companies who have performed work with Eastman or POTC over the past year are Crescent Electric/Industrial I&E, crescentelectric@comcast.net, (409) 935-2416; Amex Electric (409) 948-1791. LandTex, jstrood@landtextech.com, GB Tech (281) 333-3703 ext. 121; Preferred Technologies (281) 442-0550. This listing should not be construed as any endorsement for any of these companies.

Question 17: Also, as we were not able to take pictures of the primary site we were told that pictures would be made available, please could these be made available.

Answer 17:
Question 18: May additional site visits be arranged to confirm measurements, to evaluate aerial cable and pole route, and to evaluate poles, guy wires, and lashing support?

Answer 18: Yes if schedules allow, must be coordinated with Brandi Flisowski.

Question 19: The RFP specifications for the thermal/color camera appear to call for a multi sensor 45/135 mm two fields of view lens with 640 X 480 resolution thermal camera on a pan and tilt with 36X optical lens, and the camera must be able to integrate into Genetec 5.2. With all other equal, will a multisensory thermal/color camera with 100 mm lens thermal – 36X optical color be acceptable with a fixed FOV with 2X – 4X digital zoom?

Answer 19: As referenced in the performance specifications, the thermal camera shall have a “Dual Field of View Lens equal to or better than (45/135mm)”. The color camera shall utilize at minimum a 1/4” color CCD imager integrated with a motorized continuous zoom 36x optical lens (3.4 – 122.4mm). Both thermal and color camera shall be mounted on a single pan-tilt mechanism. Specific cameras will be approved as part of overall solution and specific models will be approved post award as part of the submittal process.

Question 20: If all 2 or 3 short listed companies are including the same Loud Hailer in their solution will one demo unit meet the requirements for all three companies.

Answer 20: It is the responder’s opportunity/responsibility to facilitate the requested demonstration. Overlap/redundant equipment demonstrations will be de-conflicted, if necessary.
**Question 21:** What are the expectations of the Loud Hailer demonstration? Fully functioning integrated system or range performance? If only range performance, will the head-unit used in the fully integrated system be sufficient to show the acoustic performance.

**Answer 21:** The objective of the loud hailer demonstration is to confirm its ability to alert, communicate, and deter boaters entering the Port of Texas City’s security zone. It is the responder’s responsibility to determine which components of the system are necessary to provide its demonstration.

**Question 22:** If the Loud Hail proposed by a bidder does not meet the minimum acoustic performance standards, will that bidder’s proposal be rejected?

**Answer 22:** As stated in the RFP the Port of Texas City Security Council reserves the right to reject any and all bids and to waive irregularity in bidding. Its evaluation criteria are outlined in the RFP section 7.

**Question 23:** How frequent do barges dock at the barge dock adjacent to the radar mounting pole 4026?

**Answer 23:** The barge dock is an active working dock. The security zone, primary detection area, is beyond the vicinity of the barge dock. The barge dock and the area potentially occupied by barges can be excluded from a system’s detection area, if needed.