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April 7<sup>th</sup>

**Addendum No.1**  
Addendum to Request for Proposal  
"IP-enabled Network"

**PLEASE BE ADVISED OF THE FOLLOWING RESPONSES TO QUESTIONS:**

- Question 1      RFP Section 6.0: Please state the maximum number of voice paths to be initially supported across each PSAP WAN link.
- Response:      Two simultaneous calls are to be supported with the exception of Jackson County SO and Victoria County SO – three simultaneous calls each and Victoria PD - five simultaneous calls.
- Question 2      RFP Section 6.5: Please better define "maximum bandwidth" as either an absolute quantity or percentage of initial stated bandwidth.
- Response:      Maximum bandwidth = minimum of Current Bandwidth Required Total in Attachment A, (in the color green).
- Question 3      RFP Section 6.5.3: Please better define use of the term "manipulates information"; is this meaning how performance data is presented?
- Response:      Manipulate information can cover taking a default or raw data and purposefully making changes. For example; Management manipulation can be how you take information from network and modify it for performance data, statistic, etc.



Question 4 RFP Section 6.7.3: Please declare the minimum RT bandwidth required or the number of voice calls to be supported.

Response: RTP traffic should be able to be calculated from response to question 1: Two simultaneous calls are to be supported with the exception of Jackson County SO and Victoria County SO – three simultaneous calls each and Victoria PD - five simultaneous calls.

Question 5 RFP Section 6.12: Please confirm that each site equipment area has a Ground Reference bar and that the request of an additional ground bar is only to extend the ground connection.

Response: Information is not available at this time. For the purpose of this response, assume that proper grounding is available.

Question 6 What is the earliest date available for site surveys?

Response: GCRPC has not set survey times. GCRPC is open to discussing what is needed to meet responder needs.

Question 7 Can you please give specific location information for each site including, latitude and longitude in excel format?

Response: GCRPC is providing an attached Excel spreadsheet that includes the address and latitude and longitude information regarding the sites.

Question 8 Can you please give information regarding available tower sites, including tower type, tower height and latitude and longitude?

Response: GCRPC does not have this information available for public use? The information is considered confidential by carriers and by state wireless laws.



Question 9 Can you please provide information regarding any available fiber optics facilities?

Response: GCRPC does know of fiber in the GCRPC area. At this time, it does not appear that availability of 24 x 7 maintenance of this fiber will meet GCRPC requirements.

Question 10 Is there a priority for implementing each site (county)? Please provide list.

Response: GCRPC is expecting vendors to provide a detailed description of their implementation strategy. A key to that strategy should include a focus for mitigation the exposure of GCRPC to missing 9-1-1 calls.

Question 11 Will this network be interconnected with other public safety networks in the region (i.e. Houston's Public Safety Network)?

Response: At this time, which specific public safety networks to which GCRPC will be interconnecting, has not been determined. It is less probable that GCRPC would be directly connecting to Houston's public safety network, than some other options.

Question 12 Is there a desire to have knowledge transfer provided such that local personnel are empowered to fix network issues, under the direction of the company that manages the network?

Response: GCRPC is looking for a fully managed solution and does not desire to have GCRPC responsible for fixing network issues.

Question 13 Is there special consideration provided for companies that manufacturer and employee in the State of TX?

Response: GCRPC preferences are already addressed in the Terms and Conditions (Section 5) of the RFP.



Question 14 How is the current GCRPC TDM network managed for the PSAPs' portion?

Response: The current TDM network is for pushing mapping data only and is fully managed by the service provider.

Question 15 Will the existing management of the TDM portion of the PSAPs remain under GCRPC network management operations or is it desired to be outsourced also?

Response: The responses to this RFP are for the new network, only.

Question 16 Section 1.4 refers to retention of the TDM architecture. Explain how/whether this will be capped on growth and/or migrated to an IP-routed network.

Response: As GCRPC NG9-1-1 future needs are developed, then all or part of what is on the current TDM network may be migrated to the IP network. Specifics regarding that migration are not part of this RFP.

Question 17 Will there be co-management of the PSAPs [or their communication connections] through separation of TDM and IP operations personnel? If yes, explain your expectation and restrictions of how this will be coordinated.

Response: There is no plan for co-management, at this time.

Question 18 Section 6.7.1.1 describes reporting of incidents in accordance with ITIL network management guidelines and Section 6.8.6 refers to following ITIL for change management tasks, but also refers to general management under an FCAPS model. Please clarify how the GCRPC management model is intended to be different on tasks, reports, presentations, organizational separation, etc., between the two management models, at least on those items it deems as a critical difference.

Response: The intent is to provide logical and well documented processes and procedures for managing the GCRPC IP network.

Question 19 Is management of this solution required to be centralized or distributed?



Response: GCRPC is asking for a managed solution by the responder. The responder should provide a solution that they can best justify meeting GCRPC requirements.

Question 20 SLA's and reports are mentioned. However, are there specific KPI's GCRPC expects to be included in management of the new solution? If yes, please provide them with their recent measurements.

Response: GCRPC has requested public safety grade network Service Level Agreements. Although specific Key Performance Indicators or specific SLA threshold have not been requested in the RFP, it is expected that the responses will provide GCRPC with valuable information on the responders understanding and experience with public safety requirements.

**The following questions refer to site conditions where equipment and devices will be installed:**

Question 21 Are there existing Racks to mount devices?

Response: GCRPC has racks, but space may not be available. GCRPC will endeavor to answer questions based on amount of rack space that may be required by responders.

Question 22 -48V power available, or will Rectifiers be required or should the device be operated from AC.

Response: Specifics are not known, but respondents should assume that PSAPs do not have available -48 power or DC rectifiers.

Question 23 If rectifiers are required are Batteries required and how many hrs do they need to provide backup.

Response: Sites are backed up with UPS and generators. Battery backup has not been considered.

Question 24 Do Termination devices exists for fiber/copper terminations (10B/T, Gige, DS1 etc)?

Response: Assume for response purposes that the answer is no.



Question 25 Is there Cable rack available from device to termination devices? Is Fiber Protection available from device to termination devices?

Response: Assume for response purposed that the answer is no.

Question26 Are there any site contacts to provide specific data about the above site requirements?

Response: Lesley Sciba, who is listed as the contact in the RFP, will be the contact for all sites.

Question 27 Do Termination devices exist for fiber/copper terminations (10B/T, Gig, DS1 etc)?

Response: Assume for response purposes that the answer is no.

Question 28 Is there Cable rack available from device to termination devices?

Response: Assume for response purposes that the answer is no.

Question 29 Is Fiber Protection available from device to termination devices?

Response: Assume for response purposes that the answer is no.



Question 30 Are there site contacts for the sites to provide specific data about the above site requirements.

Response: Lesley Sciba, who is listed as the contact in the RFP, will be the contact for all sites.

Question 31 Detailed traffic model to dimension network elements for the solution. Can we assume the BW requirements listed in Attachment A are per location or are they per call. If they are per call, what is number of simultaneous calls, codec, etc . The figures listed in attachment A are a bit low to use for dimensioning network elements.

Response: Bandwidth requirements are per site, with the existing PlantCML Vesta Pallas Telecommunicator PSAP CPE.

Responders should keep in mind that public safety it is critical that there not be noise suppression for voice calls. G.711 is expected to be used. For data, vendor should recommend codecs and provide reasons for their use.

It is expected that a DS1/T1 bandwidth is available at all PSAP sites.

Question 32 Five 9's availability requirements should be assumed for network elements and management servers or just network elements.

Response: Responders should provide information on how all network elements and managed servers meet or do not meet five 9 availability.

Question 33 Can we respond with network elements that support IPv4 today and IPv6 is in the roadmap.

Response: Yes.

**END OF ADDENDUM**



This addendum shall be signed and included with your response package as acknowledgement of the addendum. Failure to acknowledge and submit any addenda may be cause for the proposal to be rejected. GCRPC's decision to accept or reject a proposal due to a failure to acknowledge and submit addenda shall be final.

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Vendor Acknowledgement Signature

Lesley Sciba  
Director of Regional 9-1-1 Services