



**BOONE COUNTY, MISSOURI**  
**Request for Proposal #: 19-15JUL14 – Logging and Recording System for Public Safety Joint Communications**

**ADDENDUM #2 - Issued July 3, 2014**

This addendum is issued in accordance with the Request for Proposal and is hereby incorporated into and made a part of the Request for Proposal documents. Offerors are reminded that receipt of this addendum should be acknowledged and submitted with Offeror's Proposal Response.

Scope of Work for the above noted Request for Proposal and the work covered thereby are herein modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect:

- I. The County has received the following questions and is providing a response:
  1. Specification 3.2.1.4. : The specification indicates that the system shall support 100-130 channels of analog and digital communications and it also discusses ROIP. The responder will need to know the exact configuration to propose. For example: Recording system must have the capacity of 256 channels, but configured to support XX analog/ XX digital/ XX ROIP/ XX VOIP?

Please identify the exact number of the specific types of channels that will be the base of the evaluation of the bid. That is, how many analog channels, how many digital TDM channels (please identify the brand and model of the PBX and telephone handsets) and how many SIP channels are desired. Please include the type and quantity of radio channels to be recorded. Is "multimedia data" (text, pictures, video) SIP base RTP media delivered over an ESInet? If so how many simultaneous SIP or SIPREC sessions are expected. Is "TTY Baudot" expected over analog channels or via NG9-1-1 SIP? Please identify the brand and models of RoIP communications equipment (e.g. radio consoles etc.) to be included in the system.

Regarding "integrity of logging at both locations"- are you looking for fully duplicated recorders at both locations? Or, are you looking for the recordings at the "existing center" to be included in storage of recordings at the "new center"? Please clarify the meaning of this requirement.

**Response:** The County needs this recorder to function in the current environment which is mostly analog recording. This device will also need to support the needs of the County in the new facility (yet to be constructed). We envision at the new facility a fairly even split of analog and digital recordings, as such we would recommend that you have the minimum capacity of recording 66 channels analog and 66 channels digitally. We know that we will be moving and upgrading the Cassidian Telephone solution in place today to the new facility, we currently have not selected the facility PBX system, nor have we selected the radio console vendor, as such we are unable to confirm accurate and firm counts at this time.

The current radio system operates in the VHF band using conventional mobile relay/repeater mode. The future design is unknown at this time.

The current environment does not include an ESInet or NG9-1-1 SIP/SIPREC sessions or RoIP.

2. In addition, it would be very helpful if the specifications indicated what model of PBX, handset models Radio: Motorola Astro 25 Radio?, # of talk groups? If so, will an AIS server be provided?

**Response:** see response #1

3. Regarding paragraph 3.2.1.6. Assuming, as indicated, that the P25 radio channels are conventional and not trunked, can you please identify the exact number of such channels to be recorded.

**Response:** see response #1

4. Regarding paragraph 3.2.1.6. - MDC-1200 data, are there conventional VHF radio channels in addition to the conventional P25 radio channels? If so, please confirm the quantity of each type.

**Response:** see response #1

5. Regarding paragraph 3.2.1.6. - How many conventional VHF channels include MDC-1200 data (Radio ID/radio ANI) to be recorded?

**Response:** see response #1

6. Regarding paragraph 3.2.1.12. - It is believed that the only way to guarantee 99.999% uptime reliability is to deploy two fully redundant recorders in parallel. Is that what is desired by the county? Or, is some lowest possible level or percentage of uptime reliability acceptable?

**Response:** Respondent should describe how they propose to meet the stated reliability requirement.

7. Regarding paragraph 3.2.1.17. - Please confirm if J-STD-110 ATIS/TIA SMS to 9-1-1 is the only acceptable text to 9-1-1 method. In the alternative, will any of the FCC/NENA approved interim SMS text to 9-1-1 methods be utilized?

**Response:** The FCC/NENA interim SMS text solutions are referenced in J-STD-110 ATIS/TIA SMS to 9-1-1

8. Regarding paragraph 3.2.1.17. - Please identify whether TTY type, web browser http or true IP (Ng9-1-1) type text to 9-1-1 will be deployed for recording purposes.

**Response:** The timing and methodology of deployment of interim text to 9-1-1 has not yet been determined

9. Regarding paragraph 3.2.1.17. - Please identify your chosen SMS text to 9-1-1 TCC provider (e.g. Intrado or TCS or a third party)

**Response:** see response #8

10. Regarding paragraph 3.2.3.1. - Please define the meaning of “customizable and interactive”.

**Response:** The user shall be able to customize how represented data is filtered and displayed

11. How many answering positions do you have?

**Response:** It is the current intention to accommodate 21 answering positions in the new facility however exact counts are not yet finalized

12. If you have separate dispatching positions, how many of those do you have?

**Response:** Positions accommodate both call handling and dispatch

13. How many dispatch/call takers do you have on staff total?

**Response:** PSJC is authorized for 39 full time equivalents

14. It is mentioned in 3.2.1.4 the system needs to support between 100 - 130 channels. How many channels does the system need to record when delivered?

**Response:** see response #1

15. What is the breakdown of channel types:

**Response:** see response #1

16. How many analog channels?

**Response:** see response #1

17. How many digital phone channels (and type of digital PBX and model of phone sets)?

**Response:** see response #1

18. How many VoIP/SIP channels (and type of phone system)?

**Response:** see response #1

19. What type of radio system do you have?

**Response:** see response #1

20. What make/model radio console are you using?

**Response:** Orbacom TDM 150 in the current facility; system for new facility has not been selected yet

21. Will you be recording RoIP or will the radio feeds be delivered to the recording system via analog?

**Response:** see response #1

22. 3.2.1.6 - Are you receiving Motorola MDC1200 data?

**Response:** Yes the County decodes MDC1200 PTT identifiers and emergency button activations

23. 3.2.1.13 - Are you proposing vendors provide an exact duplicate second recording system recording in parallel?

**Response:** No

24. We are a corporation, is it necessary for us to fill out and sign pages 38 & 39?

**Response:** No. You are only required to complete page 39 - Work Authorization Certification and return the proof of enrollment page.

25. Page 41 - Does this apply? We are not seeking Federal Assistance Funds.

**Response:** Because the County has upon occasion received some federal funding after contract execution, we include the Debarment Certification in our bids. It is not a requirement for you to complete and return in order to submit a bid.

26. Pages 47 - 56 - Are these pages to be filled out once a contract is awarded?

**Response:** Pages 47-56 were provided in the bid for informational purpose. Pages 47 & 48 will be required to be returned to the County by the Contractor at the end of the project. Pages 49-56 - contract and bonds will be required to be returned by the Contractor at contract execution.

27. In 3.2.1.4 for the 100 to 130 channels specified please give a quantity breakdown for each type of channel:

- a) Analog
- b) Digital (TDM)
- c) VoIP
- d) RoIP
- e) P25 Radio
- f) Multi-Media
- g) TTY
- h) ASCII (Serial).

**Response:** see response #1

28. What manufacturer and model is the following equipment:

- a) Analog Telephone Switch and Instrument -TBD
- b) Analog Radio- TBD

- c) Digital Telephone Switch and Instrument – Currently Cassidian Patriot 3.3 solution / will be upgraded to Cassidian Vesta at the new facility
- d) Digital Radio -TBD
- e) VoIP Telephone Switch and Instrument- See c.) additional VoIP administrative phone system as yet to be determined
- f) RoIP Radio -TBD
- g) P25 Radio- TDB
- h) Call Taker Console – See c.) above
- i) Dispatch Console- Currently Orbacom TDM 150 consoles future TBD

**Response:** see responses in line above for questions a-i

29. What manufacturer and model is the ANI/ALI controller that provides service to PSJC?

**Response:** The Cassidian Sentinel Patriot 3.3 handles the ANI/ALI controller functions

30. 3.2.1.4 States: “desire of a single chassis solution at the new facility”. 3.2.1.12 states: “shall meet an uptime of 99.999 percent or better”. We believe to meet an uptime of 99.999 percent that 100% duplicate redundant recorders will be required. If that is the case how can a single chassis solution satisfy this requirement?

**Response:** Examples are hot swappable dual power supplies, dual automatic duplication of hard drives, dual key mother board components. Respondent should provide what they determine to be the most reasonable solution to meet the requirements.

31. 3.2.5.1: states that the system shall provide for one (1) one year plus 25% growth for storage to retain recordings. If we assume 130 channels how many and what is the duration of telephone and radio calls for (1) year on the 130 channels for purposes of calculating storage requirements?


**Response:** Average telephone length is approximately 100 seconds; average radio traffic is approximately 25 seconds.

32. Please explain what is meant by 3.2.5.1.3 “Maximum number of simultaneous recorders supported”. ??

**Response:** If a solution involves the use of multiple recorders to accommodate growth or expansion what is the maximum number that can be supported

33. 3.2.11.9 States “support archiving onto dual removable media” this seems to imply that archive storage is on DVD. The EXACOM “Hindsight-G2” recorder system uses a Raid NAS configuration sized to meet the “(1) one year plus 25% growth for storage” stated in 3.2.5.1. We have found that the HDD used in our NAS is much more reliable than DVD’s. Does this meet PSJC’s requirements?

**Response:** You should state how we could store and recover information beyond the 1 year period for incidents involved in legal cases.

By:   
Melinda Bobbitt, CPPO, CPPB  
Director of Purchasing

OFFEROR has examined copy of Addendum #2 to Request for Proposal **19-15JUL14 – Logging and Recording System for Public Safety Joint Communications** receipt of which is hereby acknowledged:

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

E-mail: \_\_\_\_\_

Authorized Representative Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Authorized Representative Printed Name: \_\_\_\_\_