



Amendment of Solicitation

Date of **12/05/2019**
Issuance: _____

Solicitation No. 0900000417 (SW1177)

Requisition No. For SW1177 _____

Amendment No. 2 _____

Hour and date specified for receipt of offers is changed: No Yes, to: 12/19/2019 3:00PMCST

Pursuant to OAC 260:115-7-30(d), this document shall serve as official notice of amendment to the solicitation identified above. Such notice is being provided to all suppliers to which the original solicitation was sent.

Suppliers submitting bids or quotations shall acknowledge receipt of this solicitation amendment prior to the hour and date specified in the solicitation as follows:

- (1) Sign and return a copy of this amendment with the solicitation response being submitted; or,
- (2) If the supplier has already submitted a response, this acknowledgement must be signed and returned prior to the solicitation deadline. All amendment acknowledgements submitted separately shall have the solicitation number and bid opening date printed clearly on the front of the envelope.

ISSUED BY and RETURN TO:

U.S. Postal Delivery:

Office of Management and Enterprise Services
Central Purchasing
5005 N. Lincoln Blvd., Ste. 2
Oklahoma city, Ok 73105

Cini Zacharia

Contracting Officer

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Description of Amendment:

a. This is to incorporate the following:

On behalf of the State of Oklahoma, the Office of Management and Enterprise Services (OMES) gives notice of the following questions concerning this solicitation, received during the Q&A period, which closed on 11/27//2019 at 3PM.

1.Would the State consider scheduling a pre-proposal meeting/call for this solicitation to provide clarity on the scope and requirements?

Answer:

NO

2. Please see link below for a PDF of our General Solicitation Questions. Thank you.

[Solicitation Questions.pdf](#)

3. Due to the timeline encompassing a national holiday, would an extension to the RFP submission be considered?

Answer:

Closing extend to 12/19/2019.

4. A.3 – A.3.12 Invoices

Do the invoicing terms apply as written when a local government applies for a State - Oklahoma 9-1-1 Management Authority grant for work contracted with an approved State Contract vendor and the grant money is used to "reimburse" the local government for payments made to the contractor? Our company typically invoices monthly for work completed by phase during a contract period. Would such invoicing be acceptable as the local government is paying the contracted amount from its funds, then being reimbursed by the grant?

Answer:

The state contract stands as written, however local interpretation of the State contract may allow for other methods of payment.

5. Page 9 of the solicitation includes the following:

A.20. Insurance

e) Additional coverage required by the State in writing in connection with a particular Acquisition.

Question: Is there any "Additional coverage" that will be required for this project?

Answer:

NO

6. Hosting Agreement:

Within government agencies, it is common for public safety GIS data (street centerlines, address points, and emergency service boundaries) to be classified as public data. Hence these data are assumed not to be considered Non-Public Data as defined in the State of Oklahoma Hosting Agreement. Please confirm.

Answer:

The State of Oklahoma Hosting Agreement is not applicable to this contract. This work is to be performed at the local level.

7. Is OMES looking for 1 or multiple vendors under this solicitation?

Answer:

Multiple. The intent of this RFP is establishing a list of qualified GIS vendors along with their standardized pricing for the services listed in this document. This will allow local 911 agencies a list of qualified vendors to select from in order to meet the Oklahoma Geographic Information NG911 and Addressing Standard.

8. Is the intent of this Bid for the "Supplier" to act as a "Business Information Manager / Business Analyst", "Software Developer", "IT Hosting Provider", "Project Manager", or "GIS Analyst"?

Answer:

This is dependent on the assessment of the local 911 agency's needs. If the vendor provides the above services and feels each category is needed in order to meet the scope, then pricing should be included in the pricing sheet for each of the categories or units.

9. The RFP has clear requirements of what is to be synced. However, how it is synced is very abstract by NENA. To whom and what IT system it "should" be synced is also unclear. Can you clarify to whom the deliverables shall be delivered, and what IT infrastructure is in place to accept these requirements for C.4 – Section II. Since we assume that each of the 129 PSAPs have varying degrees of budget and proficiency, without knowing those capabilities it will be challenging to propose a precise solution for C.4 Section II. We can propose advanced or simplified solutions to achieve C.1.1 "to implement the requirements for creating and maintaining GIS data" within the C.2. Scope. However, we would be unable to provide pricing in the RFP Response until the assessment in C.3.1 is completed. Is there an opportunity to provide pricing for the solutions once the capabilities are determined?

Answer:

The work completed by this RFP will be delivered to, held and maintained at the local level. The synchronizing of the GIS data with the MSAG and ALI will need to meet the NENA Standard 71-501.

10. C.3.1: Initial Assessment: Will this be a required assessment that needs to be performed and submitted to 911@oem.ok.gov for all 129 PSAPs? If not, how many PSAPs will need this assessment, and what are the PSAPs that have agreed to be assessed?

Answer:

No, the intent is to provide these services, individually, at the local level. The State is interested in multiple vendors to complete the work based on local need. Once awarded the local entity will use this State contract to procure consistent services that meets the Oklahoma Geographic information NG911 and Addressing Standard.

11. C.6.Validation of final data: Can we have access to that toolset now so that we can review while formulating a bid?

Answer:

No, it is under development, however it will follow the concepts of the currently used Kansas NG9-1-1 GIS toolbox.

12. C.6.Validation of final data: What metrics will be used to validate the data?

Answer:

No, it is under development, however it will follow the concepts of the currently used Kansas NG9-1-1 GIS toolbox.

13. C.6.Validation of final data: Will the data being evaluated be hosted within each PSAP, Central IT Server Environment by OEM, Central IT Server Environment by OGI, Central IT Server Environment by OK CIO, or by the Supplier?

Answer:

At the local agency

14. C.5. Metadata: Will the data stewards have to maintain the metadata? If so in what Server Environment?

Answer:

Yes. The metadata must meet the standard outlined in the Oklahoma Geographic information NG911 and Addressing Standard

15. C.4.1.4. As of now the OGI Map Website has a shapefile that has rows for a total of 132 PSAPs. What accounts for the discrepancy between the shapefile and what is listed in the RFP of 129 PSAPs?

Answer:

Certain areas have more than one shapefile that make up their service area. There is also a continued consolidation effort so the number is dynamic. The work to be completed is at the local level and on an individual basis

16. C.4 states: "It is preferred that one go through the process of standardizing and synchronizing their existing GIS data with their MSAG and ALI" - Is there an already established central RDBMS system, Data Lake, or Data Warehouse owned and managed by OEM or OGI that "The Supplier" or "Data Steward" will sync to?

Answer:

NO

17. C.2 states "In that case, the Supplier will provide services under this contract to fully develop a functional, working Enhanced 911 (E911) and NG911 dataset that conforms to the State Geographic Information Standard (GIS)" -Is there an opportunity to provide pricing for the solutions after the initial assessment phase and the needs are determined?

Answer:

No the work is completed at the local level and the intent is to complete all phases in the scope.

18. C.2: It is understood that each PSAP's current GIS data and capabilities vary greatly across the State of Oklahoma due to a historical lack of an E911 GIS standard. There will be three phases to the bid assessment, creation and/or remediation and validation. All services for all phases must be provided by a single provider. The pricing sheet includes the necessary maintenance tools and/or service agreements that may be needed by the local entity to maintain the remediated data. The pricing sheet also includes the cost for field work that may be needed or requested to visually confirm the work is accurate. Is there an opportunity to provide pricing for the solutions to allow the provider to populate the "Maintenance Tools" & "SLAs" needed to price and implement a remediation plan and maintenance plan for the data after the bid has been awarded?

Answer:

No the work is completed at the local level and the intent is to complete all phases in the scope.

19. C.2: Has an assessment of the PSAPs being included in this RFP has been completed? If so, can this be provided?

Answer:

No, It is recommended that an assessment be completed by the vendor before providing a final quote to the local agency. The final quote must use the pricing provided in the final approved contract.

20. C.4.1.1 - 3: Who will be the authoritative source on these datasets? Provided this is declared for example in 4.1.4?

Answer:

The local agency is the data steward for the datasets listed in C.4.1.1, C.4.1.2 and C.4.1.3.

21. C.4.1.5: What agency will be the long-term responsible agency, aggregator, and IT hosting provider to ensure this data is not put onto crowd sourced sites like "ArcGIS Online" and other non authoritative websites and data exchanges and inappropriately used?

Answer:

The Oklahoma Office of Geographic Information is charged in State Statute §82-1501-205 et seq to be the clearing house for Statewide GIS data and in agreement with the Oklahoma 9-1-1 Management Authority, will follow policies set forth by that agency.

22. C.4.3.2 states: "The geospatial accuracy of an address location and centerlines should be pursued to achieve the highest Positional accuracy possible." What will be the imposed accuracy assessment testing protocol and on how many addresses per PSAP?

Answer:

Quality Control will be completed at the local level and adhere to the Oklahoma Geographic Information NG911 and Addressing Standard.

23. C.4.4. Will each PSAP be required to write their own QC & QA software of the data?

Answer:

No

24. When will the Bid be Awarded?

Answer:

No timeline for this

Solicitation Questions from PDF attachment received through WIKI:

1. **C.1.1** The Office of Management and Enterprise services (OMES), on behalf of the Oklahoma Emergency Management (OEM) is issuing a Request for Proposal (RFP) to implement the requirements for creating and maintaining GIS data that will be used to provide location and routing data for Next Generation 9-1-1(NG911 services in Oklahoma. Oklahoma currently has 129 Public Safety Answering Points (PSAP) that maintain GIS based 911 data. The migration to NG911 requires that this data needs to be transferred to the new State of Oklahoma Geographic Information NG911 and Addressing Standard (C.1.6.1). Not all of the 129 PSAP's will require the services of this contract but should they choose to select a Supplier of this contract the Supplier will follow the mandatory minimum requirements outlined in C.3.1.

1a Question: How would OEM prefer the total cost be established by the bidders given the that the total number of PSAPs to be included in the cost estimate is not yet determined and the level of effort is unknown (as required in Attachment A)?

Answer:

The intent is to provide these services, individually, at the local level. The State is interested in multiple vendors to complete the work based on local need. Once awarded the local entity will use this State contract to procure consistent services that meets the Oklahoma Geographic information NG911 and Addressing Standard. Pricing should be based on the hourly rate for each task needed to complete the needs in the RFP.

1b Question: Would it be acceptable to give a cost per PSAP with a low and a high range depending on the quality/status of GIS data and the amount of GIS data for each PSAP?

Answer: No, see answer to question 1A.

1c Question: Is it the desire of OEM to create a Supplier list for local agencies to purchase services and/or software (see section A.13 Award of Contract) or to award to one Supplier to support all needs of the project as defined in C.2 Scope?

Answer: Create a supplier list

1d Question: In regard to the last sentence of C.1.1, is it the intent that bidders fulfill only section C.3.1 Section I (Initial Assessment of GIS data and Capabilities)? Or did OEM intend that section C.3 (Mandatory Minimum Requirements) be the referenced section?

Answer: This is a typing error and it should include all sections.

2. **C.1.3.** This GIS data will be developed, maintained and owned by the local agencies.

2a Question: Is it the intention for local agencies to use a bidder's set of validations to develop and maintain their GIS data?

Answer: This is dependent on local need however the final data set must be validated using the State provided toolset.

2b Question: Is this RFP looking for bidders to perform data remediation on the GIS data, for the local agencies to perform their own data remediation, or do both scenarios apply? This question also supports the development of an appropriate level of effort for Attachment A-NG911 GIS Pricing Sheet.

Answer: Yes.

3. **C.1.5.** A series of review and quality control methods by the state Office of Geographic Information (OEM) will insure the data submitted meets these standards.

3a Question: What are the review and quality control methods that the OEM will use to ensure the standards are being met?

Answer: A toolkit will be provided it is under development, however it will follow the concepts of the currently used Kansas NG9-1-1 GIS toolbox.

3b Question: Will the review and quality control methods be used at specific benchmarks throughout the project? If so, please provide the benchmarks.

Answer: No, benchmarks are not required however the toolkit can be used at any time to validate the work being performed.

4. **C.2. Scope** "There may be cases where the local PSAP does not have a workable 911 GIS dataset. In that case, the Supplier will provide services under this contract to fully develop a functional, working Enhanced 911 (E911) and NG911 dataset that conforms to the State Geographic Information Standard (GIS)..."

4a Question: If the local PSAP does not have a workable 9-1-1 GIS dataset, would services such as assessments and gap analysis be an appropriate deliverable? If one has already been performed, can it be provided prior to the response due date?

Answer: No, It is recommended that an assessment be completed by the vendor before providing a final quote to the local agency. The final quote must use the pricing provided in the final approved contract.

4b Question: Are the “Enhanced 911” datasets identified in C.2 Scope the same datasets identified in the State of Oklahoma Geographic Information NG911 and Addressing Standard section 2.07 (a)? (Address Point, Road Centerline and ESZ Boundary).

Answer: Yes

4c Question: Are the “NG911” datasets identified in C.2 Scope the same datasets identified in the State of Oklahoma Geographic Information NG911 and Addressing Standard section 2.07 (b)? (PSAP Boundary, ESB Fire Boundary, ESB Law Boundary, ESB EMS Boundary, and Provisioning Boundary).

Answer: Yes

4d Question: Is GIS Operations & Maintenance (O&M) documentation required of these layers as well (as defined by section C.3 Mandatory Minimum Requirements)?

Answer: Yes

5. C.3. Mandatory Requirements; C.3.1. Section I – Initial Assessment of GIS data and Capabilities

“General Overview: Contractor shall include, but not limited to, addressing the following typical Oklahoma Dispatch Center Data. A copy of this assessment must be provided to the Oklahoma 9-1-1 Management Authority in electronic format. Send to 911@oem.ok.gov”

5a Question: Is the assessment intended to be only for the Address Point dataset and addressing process(es)? Or is an assessment desired for each of the NG9-1-1 GIS datasets included in the local project?

Answer: All datasets

6. C.4.1.4. The OEM will maintain these four (4) layers and will be the governing authority of these layers:

6a Question: Has OEM collaborated and reached agreement with PSAPs and emergency services for these boundaries? If not, will boundary facilitation be an available service under this solicitation?

Answer: As related to C.4.1.4, the Oklahoma 9-1-1 Management Authority has collaborated and have letters from the PSAP’s validating their PSAP boundary and this is completed yearly as part of another process. Boundary facilitation under C.4.1.4 is not part of this solicitation. However, if discrepancies are discovered at the local level, then Appendix A and B should be followed.

7. **C.4.1.6.** If it is determined that a correction or change should be made within an agency's jurisdiction to one of these four (4) layers, the agency should follow the correct change process for municipal boundaries (Guidelines for Maintenance of Municipal Boundary GIS Files – Appendix A) and PSAP boundaries to request the update. (PSAP Boundary Change Request – Appendix B)

7a Question: Is the respondent expected to validate and provide recommendations on boundaries or is this the sole responsibility of the PSAP or locality?

Answer: This is dependent on the services requested by the local 911 agency.

8. **C.6. Validation of final data** – “The State requires the completed GIS data remediation be validated using a State provided tool set. Confirmation that the data has been validated using the State provided tools along with a zero (0) error report must be provided to the local entity and also forwarded to the Oklahoma 9-1-1 Management Authority and the OEM in electronic format. Send the report to 911@oem.ok.gov and shellie.willoughby@conservation.Ok.gov. To gain access to the State tool set, contact OEM at shellie.willoughby@conservation.Ok.gov or by calling 405-521-4828.”

8a Question: Can the State provide additional information or more detail on the State supplied tool set?

Answer: No, it is under development, however it will follow the concepts of the currently used Kansas NG9-1-1 GIS toolbox.

8b Question: Can access be granted to the State tool set prior to proposal deadline for bidders to get familiar with the tool?

Answer: No, it is under development, however it will follow the concepts of the currently used Kansas NG9-1-1 GIS toolbox.

8c Question: What validations does the State tool set contain?

Answer: It is under development, however it will follow the concepts of the currently used Kansas NG9-1-1 GIS toolbox.

9. **C.4. Section II– Mandatory Minimum Requirements for GIS Data Remediation**

“... It is preferred that one go through the process of standardizing and synchronizing their existing GIS data with their MSAG and ALI as described in NENA Information Document for Synchronizing Geographic Information System Databases with MSAG & ALI (NENA standard 71-501).”

9a Question: Are MSAG & ALI validation checks to be included as a deliverable?

Answer: If the service is requested by the local agency.

9b Question: Is it desired that the “Reference Domains” in Section 3.08 of the State of Oklahoma Information NG911 and Addressing Standard be used for standardization?

Answer: Yes, it is required not desired

9c Question: Are you looking for a static, one-time report of validation anomalies or the ability to run validation checks on-demand as often as necessary?

Answer: Both

10. **C.4.3 SECTION II – Spatial Reference and Spatial Accuracy; C.4.3.1.** “Local GIS data may be stored in any projection desired as long as the projection is clearly defined and is regionally recognized. However, before submitting GIS data to the OEM for quality control review, the data must be in the following projection: ... “

10a Question: Is there a requirement to solve any anomalies such as gaps/overlaps experienced as part of the datum shift prior to providing the dataset to OEM? If so, is it required to define the O&M associated to this resolution process?

Answer: Yes and Yes

11. **C.4.4. Section III – Data Features Quality and Accuracy; C.4.4.4** “Addressing should be sequential and locatable.”

11a Question: What are the requirements for locatable?

Answer: This is defined NENA-INF-014.1-2015 “NENA information document for the development of site structure for 911”

The State of Oklahoma Geographic Information NG911 and Addressing Standard Questions:

12. Section 2.13 Standard Address Practices

(a) **Unique Identification Code (Mandatory)** A unique identifier is required for all databases, whether they are associated attributes or geospatial data sets. This unique identifier shall be used to link address attributes and indexes with other information. The unique identifier is defined in the NENA standard as the **ESB** NENA Globally unique ID (NGUID). Solely this unique ID will enable tracking the address data element back to the owner. The unique ID shall be configured in the following format:

(LayerName)_(Local911UniqueID)@(Source).(Steward).(ok.us)

Example: [StreetName_45710948fk@edmond.acog.ok.us](#)

Discussion: The section regarding the Unique Identification Code states “The unique identifier is defined in the NENA standard as the ESB NENA Globally unique ID (NGUID)...” The NENA Standard for NG9-1-1 GIS Data Model (NENA-STA-006.1-2018) requires a NGUID for all GIS data layers.

12a Question: Is it the intention that the NGUID attribution be completed for all required NG9-1-1 data layers created or remediated as part of this project?

Answer: Yes

12b Question: Or is this requirement in place for only the ESB PSAP Boundary on file with the OEM?

Answer: No

13. Section 2.13 Standard Address Practices

(i) Location of Street Name Break Points “Street name breaks should occur at an intersection whenever possible, and preferably at an intersection with a major cross street. Where it is not possible to make the break at an intersection, the break should occur at a point on the curve where the street orientation changes from primarily north-south to east-west, or vice-versa. Street name signs should be used at every street name break to clarify the change.”

Discussion: The section refers to the preferred street name break points at intersections. Per the NENA Standard for NG9-1-1 GIS Data Model (NENA-STA-006.1-2018), “... GIS road centerline arc-node topology is associated with attribute data containing information on street names, address ranges, jurisdictional boundaries, and other attributes.”

13a Question: Due to the scope of the project “OEM is looking to provide location and routing data for Next Generation 9-1-1 services in Oklahoma.”, does OEM desire the street name break points to occur only at intersections or to additionally include the recommendations of NENA to include “jurisdictional boundaries, and other attributes” to support NG9-1-1 call routing?

Answer: Follow NENA standards.

14. Section 3.04 Emergency Service Zone (ESZ) Boundary – Polygon

The Emergency Service Zone (ESZ) boundary is the geographical representation of the Emergency Service Number (ESN). The ESN is a 3 to 5 digit number representing a unique combination of emergency service agencies (Law, Fire, and EMS) designated to serve a specific range of addresses within a particular geographical area, or ESZ. The ESN facilitates selective routing and selective transfer, if required, to the appropriate PSAP and the dispatching of the proper service agencies through the MSAG. There can be no overlaps or gaps in this dataset.

Discussion: An ESZ Boundary Layer historically support E9-1-1 and is not intended for use in NG9-1-1. An ESZ Boundary Layer can be a starting point, if desired, to build Emergency Services Boundaries (PSAP/LAW/FIRE/EMS) if the proper attribution is included in the data schema to represent the various emergency service. The schema identified in Section 3.04 doesn’t include the defined PSAP, LAW, FIRE, EMS attribution to support.

14a Question: Is there a desire by OEM to use an ESZ Boundary Layer to assist in the development of Emergency Service Boundary (ESB) layers? If so, will there be an amendment to the current schema or additional documentation provided to define the necessary attribution such as ESN, PSAP, LAW, FIRE, and EMS?

Answer: No and No, this is not required by the State but is advisable for local entities to create and maintain these layers for local operational and legacy needs.

15.E.13.9. Section 9 – Hosting Agreement and Hosted Security Questionnaire

Question: Can the Security Questionnaire be submitted at a later date (during contract negotiation for the selected bidder) due to the time required to gather the detailed technical information?

Answer;

No everything needs to be submitted with your bid response in a flash drive just as it is mentioned on the RFP. We need the exact excel format back with your Bid.

b. All other terms and conditions remain unchanged.

Supplier Company Name (**PRINT**)

Date

Authorized Representative Name (**PRINT**) Title

Authorized Representative Signature