

## REQUEST FOR PROPOSAL (RFP)

<b>Bid Event Number:</b>	EVT0002573
<b>Requisition ID:</b>	NA
<b>Replaces Contract:</b>	New
<b>Date Mailed:</b>	August 23, 2013
<b>Closing Date:</b>	October 9, 2013 at 2:00 PM
<b>Procurement Officer:</b>	Jerry Clements <b>Telephone:</b> 785-296-7251 <b>E-Mail Address:</b> <a href="mailto:jerry.clements@da.ks.gov">jerry.clements@da.ks.gov</a> <b>Web Address:</b> <a href="http://da.ks.gov/purch">http://da.ks.gov/purch</a>
<b>Item:</b>	GIS Enhancement – Next Generation 9-1-1
<b>Agency:</b>	Kansas 9-1-1 Coordinating Council
<b>Period of Contract:</b>	One (1) year from date of award (with the option to renew for two (2) additional one-year periods)
<b>Guarantee:</b>	No Monetary Guarantee Required
<b>Scope:</b>	This Contract shall cover the procurement of Next Generation 9-1-1 Professional Services for the Kansas 9-1-1 Coordinating Council during the contract period referenced above.

Event Number EVT0002573 was recently posted to the Procurement and Contracts Internet website. The document can be downloaded by going to the following website:

<http://www.da.ks.gov/purch/Contracts/bids.aspx>

**It shall be the bidder's responsibility to monitor this website on a regular basis for any changes/amendments.**

**Pre-proposal Conference** - A pre-proposal conference will be held at **9:30 am, on September 5, 2013**, at the following location:

Landon State Office Building  
900 SW Jackson  
7th Floor, Director's Conference Room  
Topeka, KS, 66612

Interested parties may participate via teleconference: Phone: 866-620-7326 Conference Code: 7852967251
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Attendance is not required at the pre-proposal conference. Impromptu questions may be permitted and spontaneous unofficial answers provided, however bidders should understand that the only official answer or position of the State of Kansas will be presented in writing. Subsequent questions must be submitted electronically (MS Word) to the Procurement Officer indicated above prior to close of business on **September 17, 2013**.

Failure to notify the Procurement Officer of any conflicts or ambiguities in the Bid Event may result in items being resolved in the best interest of the State. Any modification to this Bid Event as a result of the pre-proposal conference, as well as written answers to written questions, shall be made in writing by addendum and dispatched to all bidders associated to this event. Only written communications are binding.

Answers to questions will be available in the form of an addendum on the Procurement and Contracts' website.

### SIGNATURE SHEET

Item: Next Generation 9-1-1 Professional Services  
Agency: Kansas 9-1-1 Coordinating Council  
**Closing Date:** October 9, 2013

By submission of a bid and the signatures affixed thereto, the bidder certifies all products and services proposed in the bid meet or exceed all requirements of this specification as set forth in the request and that all exceptions are clearly identified.

Legal Name of Person, Firm or Corporation Allied Technical Consultants, Inc.

Mailing Address 1402 Motz Ave City & State Hays, KS Zip 67601

Toll Free Telephone \_\_\_\_\_ Local (913)851-1796 Cell: (816)223-5549 Fax 866-553-5910

Tax Number \_\_\_\_\_ 27-4062989

**CAUTION: If your tax number is the same as your Social Security Number (SSN), you must leave this line blank. DO NOT enter your SSN on this signature sheet. If your SSN is required to process a contract award, including any tax clearance requirements, you will be contacted by an authorized representative of the Division of Purchases at a later date.**

E-Mail gslater@allied.co

Signature  Date 10-02-2013

Typed Name Gordon Slater Title Corporate Secretary

In the event the **contact for the bidding process** is different from above, indicate contact information below.

**Bidding Process** Contact Name Gordon Slater

Mailing Address 1402 Motz Ave City & State Hays, KS Zip 67601

Toll Free Telephone \_\_\_\_\_ Local (913)851-1796 Cell: (816)223-5549 Fax 866-553-5910

E-Mail gslater@allied.co

If **awarded a contract and purchase orders** are to be directed to an address other than above, indicate mailing address and telephone number below.

**Award** Contact Name Gordon Slater

Mailing Address 1402 Motz Ave City & State Hays, KS Zip 67601

Toll Free Telephone \_\_\_\_\_ Local (913)851-1796 Cell: (816)223-5549 Fax 866-553-5910

E-Mail gslater@allied.co

## 1. PROPOSAL RESPONSE

### 1.1. Submission of Proposals:

Bidder's proposal shall consist of:

- One (1) original and six (6) copies of the Technical Proposal, including the signed Event Details document, applicable literature and other supporting documents;
- One (1) original and six (6) copies of the cost proposal including the signed Event Details document,
- Two (2) electronic / software version(s) of the technical and cost proposals are required. This shall be provided on CD or flash drive, in Microsoft® Word or Excel. Technical and cost responses shall be submitted on separate media.

All copies of cost proposals shall be submitted in a separate sealed envelope or container separate from the technical proposal. The outside shall be identified clearly as "Cost Proposal" or "Technical Proposal" with the Bid Event ID number and closing date.

Bidder's proposal, sealed securely in an envelope or other container, shall be received no later than 2:00 p.m., Central Time, on the closing date, addressed as follows:

Kansas Department of Administration  
Procurement and Contracts  
Proposal # (Indicated on Page 1)  
Closing Date: (Indicated on Page 1)  
800 Jackson Street, Suite 600  
Topeka, KS 66612-1216

It is the bidder's responsibility to ensure bids are received by the closing date and time. Delays in mail delivery or any other means of transmittal, including couriers or agents of the issuing entity shall not excuse late bid submissions.

Faxed, e-mailed or telephoned proposals are not acceptable unless otherwise specified.

Proposals received prior to the closing date shall be kept secured and sealed until closing. The State shall not be responsible for the premature opening of a proposal or for the rejection of a proposal that was not received prior to the closing date because it was not properly identified on the outside of the envelope or container. Late Technical and/or Cost proposals will be retained unopened in the file and not receive consideration or may be returned to the bidder.

### 1.2. Proposal Format:

Bidders are instructed to prepare their Technical Proposal following the same sequence as this RFP.

### 1.3. Transmittal Letter:

All bidders shall respond to the following statements:

(a) the bidder is the prime contractor and identifying all subcontractors;

**Allied Technical Consultants, Inc. (ATCi)**

(b) the bidder is a corporation or other legal entity;

**Allied Technical Consultants, Inc. is a Subchapter S Corporation**

(c) no attempt has been made or will be made to induce any other person or firm to submit or not to submit a proposal;

**Allied Technical Consultants, Inc. Agrees**

(d) the bidder does not discriminate in employment practices with regard to race, color, religion, age (except as provided by law), sex, marital status, political affiliation, national origin or disability;

**Allied Technical Consultants, Inc. does not discriminate**

(e) no cost or pricing information has been included in the transmittal letter or the Technical Proposal;

**Allied Technical Consultants, Inc. has not included pricing information**

(f) the bidder presently has no interest, direct or indirect, which would conflict with the performance of services under this contract and shall not employ, in the performance of this contract, any person having a conflict;

**Allied Technical Consultants, Inc. has no interest or conflict**

(g) the person signing the proposal is authorized to make decisions as to pricing quoted and has not participated, and will not participate, in any action contrary to the above statements;

**Signer for Allied Technical Consultants, Inc. does have authority**

(h) whether there is a reasonable probability that the bidder is or will be associated with any parent, affiliate or subsidiary organization, either formally or informally, in supplying any service or furnishing any supplies or equipment to the bidder which would relate to the performance of this contract. If the statement is in the affirmative, the bidder is required to submit with the proposal, written certification and authorization from the parent, affiliate or subsidiary organization granting the State and/or the federal government the right to examine any directly pertinent books, documents, papers and records involving such transactions related to the contract. Further, if at any time after a proposal is submitted, such an association arises, the bidder will obtain a similar certification and authorization and failure to do so will constitute grounds for termination for cause of the contract at the option of the State;

**Allied Technical Consultants, Inc. is not associated with any such person or entity**

(i) bidder agrees that any lost or reduced federal matching money resulting from unacceptable performance in a contractor task or responsibility defined in the RFP, contract or modification shall be accompanied by reductions in state payments to Contractor; and

**Allied Technical Consultants, Inc. agrees**

(j) the bidder has not been retained, nor has it retained a person to solicit or secure a state contract on an agreement or understanding for a commission, percentage, brokerage or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies maintained by the bidder for the purpose of securing business. For breach of this provision, the Committee shall have the right to reject the proposal, terminate the contract for cause and/or deduct from the contract price or otherwise recover the full amount of such commission, percentage, brokerage or contingent fee or other benefit.

**Allied Technical Consultants, Inc. has not retained such person or entity**

### 1.4. Bidder Information:

The bidder must include a narrative of the bidder's corporation and each subcontractor if any. The narrative shall include the following:

- (a) date established;
- (b) ownership (public, partnership, subsidiary, etc.);
- (c) number of personnel, full and part time, assigned to this project by function and job title;
- (d) resources assigned to this project and the extent they are dedicated to other matters;
- (e) organizational chart;
- (f) financial statement may be required

**Allied Technical Consultants, Inc. was incorporated in Hays, Kansas in 2010 as a Subchapter S Corporation by Lillian and Gordon Slater. Company currently consists of:**

<b>President, Lillian Slater</b>	<b>10% of time will be assigned to this project</b>
<b>Corporate Secretary, Gordon Slater</b>	<b>70% of time will be assigned to this project</b>
<b>GIS Specialist, Jason Conn</b>	<b>95% of time will be assigned to this project</b>
<b>GIS Technician, (to be hired)</b>	<b>100% of time will be assigned to this project</b>

**Financial statement made available upon request**

**Qualifications:**

A description of the bidder's qualifications and experience providing the requested or similar service, including resumes of personnel assigned to the project stating their education and work experience, shall be submitted with the Technical Proposal. The bidder must be an established firm recognized for its capacity to perform. The bidder must have sufficient personnel to meet the deadlines specified in the RFP.

**Lillian Slater has a Masters degree and has been involved with public Safety since 1982 as EMS Director and Education Director.**

**Gordon Slater has developed software for counties and cities since 1980 and since 2007 has focused on developing E911 GIS systems.**

**Jason Conn graduated from Fort Hays in 2007 with a Bachelor's degree in GIS and has since been involved with providing E911 GIS services.**

**Several applicants for GIS technician position are being reviewed.**

**Allied Technical Consultants, Inc. currently supports over 25 Kansas counties with their E911 Address Management (AMI) system**

**Allied has performed Addressing Audits for many Kansas PSAPs (both Allied customers and non Allied customers) using their STAR (Standardized Test of Addresses and Results) program.**

**Allied personnel have converted several Kansas counties from Rural Route Addressing to E911 Addressing.**

**1.5. Requirements Response:**

Boxes are provided immediately following each requirement section. Where applicable, indicate compliance with that specific requirement. Provide detail in the box to support the compliance declaration to that requirement and other information as requested.

**1.6. References:**

Provide three (3) references who have purchased similar items or services from the bidder in the last three (3) years. References shall show firm name, contact person, address, e-mail address and phone number. Bidder's employees and the buying agency shall not be shown as references.

**Rush County 911  
Sheriff Ward Corsair  
715 Elm St, PO Box 495  
LaCrosse, KS 67548  
wcorsair@gbta.net  
785-222-2578**

**Trego County Communications**

**Brian Raub**  
525 Warren Ave  
Wakeeney, KS 67672  
tregocommcenter@hotmail.com  
785-743-5337

**Washington County Communications**  
Sheila Quellette  
214 C Street  
Washington, KS 66968  
WSC2924@SBCGlobal.net  
785-325-2293

**1.7. Procurement Card (P-Card):**

Many State Agencies use a State of Kansas Procurement Card (currently Visa) in lieu of a state warrant to pay for certain purchases. No additional charges will be allowed for using the P-Card. Bidders shall indicate on the Event Details document if they will accept the Procurement Card for payment.

**Allied Technical Consultants, Inc. does not have a P-Card**

**1.8. Political Subdivisions:**

Political subdivisions (City, County, School Districts, etc.) are permitted to utilize contracts administered by Procurement and Contracts. Please state in the area provided on the Event Details document whether or not you will allow this usage. Conditions included in this contract shall be the same for political subdivisions. The State has no responsibility for payments owed by political subdivisions. The Contractor must deal directly with the political subdivision.

**Allied Technical Consultants, Inc. would allow**

## 5. SPECIFICATIONS

The Kansas 9-1-1 Coordinating Council (“Council”) desires to assist Public Safety Answering Points (PSAPs) transition to NG9-1-1 call handling and services. As part of this strategy, the Council is issuing this RFP for GIS Enhancement as three (3) projects.

### 5.1 Introduction

This RFP issued for NG9-1-1 GIS Enhancement for the approximately 117 PSAPs in the 105 counties of Kansas. Three (3) separate projects are being tendered:

- a. **Project A - GIS Data Gap Analysis and Report.** The objective is to determine conformance of the PSAP GIS data to NENA standards. GIS Data Gap Analysis of approximately 112 Kansas PSAPs and their respective areas of interest.
- b. **Project B - GIS Data Gap Remediation** for approximately 117 PSAPs. Remediation ensures that GIS data for each PSAP is complete and in conformance with referenced standards based on the Gap Data Analysis of Project A.
- c. **Project C - GIS Data Quality Assurance (QA) Audit** validates the integrity of the GIS remediation data for approximately 117 PSAPs addressed during Project B.

During the Kansas NG9-1-1 Pilot, five (5) PSAPs were analyzed and will not need to be addressed during this Data GAP Analysis; Clark, Kingman, Reno, Sedgwick Counties, and the City of Emporia-Lyon County. However, all of our approximately 117 PSAPs shall to be addressed during this Data Remediation and Data QA Audit.

### 5.2 Objectives

The overall objectives for this procurement are:

- a. **Standardization.** Early leadership and proper Tech Requirements ensure standard, homogenous NG9-1-1 tech solution statewide.
- b. **Rapid Deployment.** Counties follow common solution; intelligent rollout and implementation schedule.
- c. **Affordability.** State contract leverages economy of scale procurement channel for counties.
- d. **County Consensus.** A strong “Good Will” marketing plan establishes leadership, instills patience, promotes cooperation, and inspires collaboration.
- e. **High Availability.** Solution must be High Availability (HA) public safety criticality.
- f. **Compatibility.** National: NENA standards, latest revision at time of contract award.
- g. **O&M.** Commitment to Operations and Maintenance (O&M) work flow to maintain relevance of data.

### 5.3 Contract Awards

The State may award Project A - GIS Data Gap Analysis and Project C - GIS Data QA Audit to the same bidder or bidders.

The State may award Project B - GIS Data Remediation to multiple bidders. Bidder(s) awarded Project A and Project C is/are excluded from award for Project B.

Therefore, Bidder need only respond to that section(s) applicable to the Project of interest.



**Bidder's response goes here.**  
**For which Project(s) are you submitting a Bid and Proposal (B&P)?**  
 a. Project B

**5.4 Progress Payments**

Bidder(s) may invoice based on percent complete at:

- a. 30% complete
- b. 60% complete
- c. 90% complete

Note: 10% withheld as retainage until signed Letter of Acceptance (LOA).

**6. APPLICABLE DOCUMENTS**

The following documents are relevant to this RFP. However, the RFP including SOW and Specification take precedence over Applicable Document.

- a. NENA 02-014 GIS Data Collection and Maintenance Standards (latest issue at time of RFP)
- b. NENA 71-501 Synchronizing GIS with MSAG and ALI (latest issue at time of RFP)
- c. PSAPs of Kansas
- d. PSAP GIS Survey Results

**Bidder's proposal response to this requirement(s) goes here.**

Fully Compliant

**Describe here your familiarity and involvement with NENA GIS standards and specifications. Describe your active participation of any NENA committees; if none, so state:**

- a. Allied personnel are very familiar with NENA documents 71-501 and 02-014
- b. Allied Technical Consultants, Inc. does not participate in NENA committees

**7. IMPLEMENTATION SCHEDULE**

The project basic timeline is shown in the table below.

Project	Activity	Months Post Contract	Remarks
A	<b>GIS Data Gap Analysis</b> a. Preliminary b. Intermittent c. Final	0-4 5-8 9-12	Each phase will capture a group of the PSAPs.

B	<b>GIS Data Remediation</b> a. Preliminary b. Intermittent c. Final	5-8 9-12 13-16	Data remediation may commence after first group of PSAPs analyzed. Each phase will capture a group of the PSAPs.
C	<b>GIS Data QA Audit</b> a. Preliminary b. Intermittent c. Final	9-12 13-16 17-20	Data QA Audit may commence after first third of PSAPs remediated. Each phase will capture a group of the PSAPs.

**Bidder’s proposal response to this requirement(s) goes here.**

(select up to 2) On which Project(s) are you bidding?      **B**

(select one)      **Fully Compliant**

**Describe here your ability to adhere to our Implementation Schedule. Include any applicable past experience and lessons learned in regard to implementation timelines. Describe any assumptions and caveats; if none, so state.**

- a. Allied Technical Consultants, Inc. has the ability to fully adhere to the implementation schedule because:
  - o Allied has performed similar projects and become very familiar with PSAP GIS issues
  - o Allied personnel are experienced in performing remediation work
  - o Allied has developed software tools to assist in the remediation process
  - o Allied personnel are very familiar and experienced with ESRI GIS products
  - o Allied has developed a “Project Task Work/Check list” to ensure remediation is completed in an efficient and effective manner

## 8. REQUIREMENTS

### 8.1 Requirements Overview

During all phases of NG9-1-1 GIS development (Analysis, Remediation, Audit/QA), Contractor shall include, but not be limited to, addressing the following typical Kansas Dispatch Center data:

- a. Does PSAP have a GIS Operations and Maintenance (O&M) Workflow (for example Address Assignment)
  - a. Documented
  - b. Undocumented
  - c. Does not exist

- b. Who in the PSAP is responsible for issuing addresses (Agency, Organization, Department...)
- c. What is the policy of the PSAP for Address Point Placement
  - a. Center of structure
  - b. Entrance of driveway
  - c. does urban placement policy differ from rural placement
  - d. Other
- d. What is the policy of the PSAP for handling multi-address structures and/or sites such as businesses, shopping centers, apartments, mobile home parks...
  - a. On-point with a related table or listing of sub-addresses
  - b. On-structure at approximate location of sub-address
  - c. Other
- e. What CAD/Mapping software is used by PSAP
- f. Does PSAP have ArcGIS Desktop
- g. Who maintains GIS database for the PSAP
- h. Who is responsible for MSAG / ALI synchronization (add, delete, correct address points, street centerlines, ESN boundaries for the appropriate data layer)
- i. If PSAP is not responsible for MSAG, then how is the PSAP informed of changes (add, delete, correct)
- j. When was the GIS database last updated and how frequently
- k. Is GIS data co-shared and/or co-maintained with other PSAPs
- l. How current is the aerial imagery captured
- m. What resolution is the latest aerial imagery
- n. What GIS Data Layers are captured by the PSAP
  - a. Street Centerline
  - b. Address Points
  - c. ESN Boundaries
  - d. EMS Boundaries
  - e. County Boundary
  - f. Municipal Boundary
  - g. Fire District Boundaries
  - h. Law Enforcement Boundaries
  - i. Emergency Service Agency locations (fire, EMS, law enforcement)
  - j. Cell Site Tower Locations
  - k. Cell Site Geographic Coverage
  - l. Other
  - m. None of above

Many of these questions were answered by Kansas PSAPs in the form of a survey (Appendix A). The Survey Responses are posted on our website for large/multiple attachments: <http://da.ks.gov/purch/adds/default.htm> (attachments are listed by bid closing date and Bid Number).

**Bidder's proposal response to this requirement(s) goes here.**

*(select one)* **Fully Compliant**

(select up to 2) On which Project(s) are you bidding? **B**

**Describe here your general experience with tasks above:**

- a. Allied personnel have built GIS data for layers listed above
- b. Allied has created an E911Address Management program to assist with assigning and maintaining addresses to defined standards
- c. Allied has designed workflow for maintaining accurate GIS data for PSAP's
- d. Allied personnel have converted several counties from Rural Route addressing to E911 addressing

## **8.2 Project A – GIS Data Gap Analysis**

**8.2.1** In preparation of a Next Generation 9-1-1 (NG 9-1-1) system, Kansas must analyze the status of 9-1-1 specific geographic information system (GIS) data across approximately 117 PSAPs. The data must be analyzed both between and within Public Safety Answer Point (PSAP) service areas for topology and standardization. Kansas is in search of a Contractor who will provide a comprehensive analysis of GIS data integration issues, field standardization and data completeness [pertaining to telephone number (TN) listings and Master Street Address Guide (MSAG) data] for the development of a statewide GIS database, accessible to any and all of the PSAPs.

**8.2.2** Since many unknowns remain in the implementation of NG 9-1-1, Kansas has chosen to use standards for GIS layers and fields as set by the National Emergency Numbers Association (NENA). The selected Contractor shall provide services that meet, are capable of meeting, or will meet NENA NG9-1-1 requirements and standards now available, or as they become available in the future.

**8.2.3** The Kansas 9-1-1 Coordinating Council requires a representative sample (no less than 25%) of GIS analysis for consistency within each PSAP service boundary and for consistency between adjoining PSAP service boundaries. All data, GIS, telephone number listings, Automatic Location Information (ALI), and MSAG<sup>1</sup> needed for the analysis will be furnished. The following guidelines shall serve to develop the Contractor's GIS Gap Analysis project plan.

### **8.2.4 GIS Data Analysis**

The GIS data analysis shall consist of various topology, attribute, and field name checks. Analysis tasks by PSAP shall be conducted to assess:

- a. Misalignments
- b. Duplications
- c. Splits Needed
- d. Road Name Consistency
- e. MSAG-Centerline Errors
- f. Telephone Number (TN) List – Site/Structure Location Errors
- g. Multi-Address Types
- h. Field Name Errors
- i. Attribution Errors
- j. Non-Standardized Fields

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<sup>1</sup> No emergency service only proprietary data will be provided as a part of this project. This includes but is not limited to, individual names and phone numbers.

### **8.2.5 Centerline Layer**

Road Name Consistency is dependent upon each PSAP. Under some circumstances road name changes should occur due to jurisdictional boundary changes. Examples:

- a. Acceptable situations
  - a. A highway that changes to a city street name near the city limits
  - b. A straight road that changes names at a city limit or county boundary.
- b. Unacceptable situations
  - c. A highway that switches back and forth from a city street name to a highway name several times within the city limits
  - d. A straight road with one name for most of the length and a different name on one or two segments with no corresponding boundary (municipal or county) in the area.

Other

- c. Number of misalignments
  - a. Overlaps
  - b. Gaps
  - c. Overhangs
  - d. Number of duplicate features
  - e. Line segments with the same name
  - f. Line segments with different name
- d. Number of road segments running the incorrect direction (Those segments that run high address [from node] to low address [to node])
- e. Number of road segments not broken at intersections and/or ESN boundaries
- f. Road name consistency for entire span of the road
- g. Comparison of MSAG and their centerline segments, provide the number of inconsistencies
- h. Compare fields within the layer to the NENA NG 9-1-1 standards for field names, content, and formatting
- i. List of non-NENA NG 9-1-1 standard fields

### **8.2.6 Polygon features**

(Emergency Service Number (ESN) Boundaries [including the individual fire, EMS, law enforcement boundaries], County Boundary, Municipal Boundary, PSAP Service Boundary)

- ESN Boundary
  - Fire District Boundary
  - EMS Boundary
  - Law Enforcement Boundary
- a. Number of misalignments
    - a. Overlaps
    - b. Gaps
  - b. Duplication of features between PSAPs
    - a. Contains matching ESN numbers
    - b. Contains different ESN numbers
  - c. Analyze for inclusion (overlap) of all subordinate boundaries (fire, EMS, law enforcement) to the ESN boundary

- d. Compare fields within each layer to the NENA NG 9-1-1 standards for field names, content, and formatting
- e. List of non-NENA NG 9-1-1 standard fields

### **8.2.7 Site/Structure Location Layer**

- a. Number of discrepancies between the telephone companies telephone number (TN) list and site/structure location layer (a.k.a. address point layer) (NENA 71-501)
- b. List of all multi-address structure formats (i.e. point separated out on building, points collocated [all in a single location], pull separate address from flat file)
- c. Compare fields with the layer to the NENA NG 9-1-1 standards for field names, content, and formatting
- d. List of non-NENA NG 9-1-1 standard fields

**Bidder's proposal response to this requirement(s) goes here.**

*(select one)* Fully Compliant, Partially Compliant, Non-Compliant

**Describe here your general experience and proposal for accomplishing the tasks above:**

a.

### **8.3 Project B – GIS Data Gap Remediation**

Contractor shall remediate all deficiencies identified by the GIS Data Gap Analysis. The following guidelines shall serve to develop the Contractor's GIS Data Gap Remediation project plan.

- a. GIS Data Gap Remediation to NENA standards
  - a. PSAP closes gap using own internal resources, or
  - b. PSAP purchases services from statewide pre-approved Contractor schedule by Task Order purchase order
  - c. Database to Kansas Data Access and Support Center (DASC)
- b. Develop highly accurate GIS data coordinated on statewide basis
  - a. Street centerlines
  - b. Address points
  - c. Jurisdictional boundaries
- c. Migration from current 9-1-1 to NG9-1-1 without degradation in 9-1-1 services (Risk Element)
  - a. Credibility
  - b. Accountability
  - c. Measurable results

**Bidder's proposal response to this requirement(s) goes here.**

*(select one)* **Fully Compliant**

**Describe here your general experience with and proposal for remediation of GIS data deficiencies:**

- A. Allied Technical Consultants, Inc. has experience in completing data creation for all GIS data layers listed above.

- B. Allied has “tested” GIS data to NENA standards and performed remediation for several PSAPs
- C. Allied utilizes its STAR (Standard Test of Addresses and Results) program to help identify and correct addressing issues in PSAP GIS databases

#### 8.4 Project C – GIS Data QA Audit

The Contractor shall certify that GIS remediation has successfully brought the GIS data for each PSAP into compliance with NENA standards using a robust set of QA analytical tools according to the NENA NG9-1-1 GIS data model and GIS data layers. The following guidelines shall serve to develop the Contractor’s GIS Data QA Audit project plan.

- a. GIS Statewide Gap Analysis and Audit
  - a. GIS Data Collection and Maintenance Standards according to NENA 02-014
  - b. GIS Database to MSAG and ALI Synchronization Process according to NENA 71-501 or equivalent at time of contract award
  - c. NG9-1-1 GIS Data Model according to or equivalent at time of contract award
  - d. Dual-pass QA process to ensure data integrity by developing State-accepted validation and comparison checkpoints.
  - e. Establish border standards
  - f. Performs Gap Audit post-remediation

**Bidder’s proposal response to this requirement(s) goes here.**

*(select one)* Fully Compliant, Partially Compliant, Non-Compliant

**Describe here your general experience with and proposal for remediation certification:**

- a.

### 9. DELIVERABLES

All deliverables shall include a signed Letter of Acceptance (LOA). The LOA shall be signed by an authorized member of the Customer and Contractor.

#### 9.1 Project A – GIS Data Gap Analysis

The contractor shall deliver a Detailed Analysis Reports for each item listed under the GIS Data Analysis section by PSAP:

- a. Project Plan proposing Contractor’s methodology for accomplishing SOW and satisfying specification requirements
- b. Preliminary Detail Analysis Report captures results of first group of PSAPs
- c. Interim Detail Analysis Report captures results of second group of PSAPs
- d. Final Detail Analysis Report captures results of last group of PSAPs
- e. Reports shall be delivered electronically as a Microsoft® Excel® spreadsheet
- f. The GIS Data QA contractor may require assistance interpreting the GIS Data Gap Analysis. The GIS Data Gap Analysis contractor shall provide that collaboration in a timely manner.

- g. Notification shall be made immediately to the State's single point of contact (*to be announced*) of any difficulties or problems meeting the requirements of the deliverables or schedule.

The reports shall address the following categories as a minimum:

- a. Analysis of redundancy, misalignment and others errors in topology
- b. Analysis for NENA NG 9-1-1 standardization
- c. Analysis of the accuracy between the telephone number (TN) list and/or ALI and the site/structure location layer
- d. Analysis of the accuracy between the MSAG and the centerline layer
- e. Identify all deficiencies in data using latest current NENA standards as basis for identifying gaps.

**Bidder's proposal response to this requirement(s) goes here.**

(select one) Fully Compliant, Partially Compliant, Non-Compliant

**Describe here your general experience with and proposal for the Detail Analysis Reports.  
What additional categories are you proposing?**

- a.

The Contractor shall deliver Rough Order of Magnitude (ROM) Cost Estimates for the following items:

- a. Remediation of identified errors in topology (misalignments, redundancies, etc) of all layers analyzed, by PSAP boundary;
- b. Standardization of all data layers analyzed to meet the NENA field standardization requirements by PSAP boundary;
- c. Synchronization of the telephone number (TN) list and/or and site/structure location layer (a.k.a. address point layer) (NENA 71-501) by PSAP boundary;
- d. Creation of standardized GIS data layers found in for PSAP boundaries who do not have them (priced per layer);
- e. Creation of a standardized geodatabase template that enforces both attributes (fields) and topology for applicable layers.

**Bidder's proposal response to this requirement(s) goes here.**

(select one) Fully Compliant, Partially Compliant, Non-Compliant

**Describe here your general experience with and proposal for developing ROM Cost Estimates for remediation of GIS data:**

- a.

## 9.2 Project B – GIS Data Gap Remediation

9.2.1 As GIS Data Gap Analyses become available for each PSAP boundary under review, the respective PSAP(s) may elect to remediate their own data, or they may ask the State to assist with remediation. This RFP will establish a list of pre-qualified contractors for GIS Data Gap Remediation.



9.2.2 In the event that a PSAP or groups of PSAPs prefer not to remediate their own GIS Data Gap, the State may issue individual Work Orders (WO) for pre-qualified contractors to bid the effort.

9.2.3 Once the remediation resource is identified, the State will furnish the GIS Data Gap Analysis for remediation.

9.2.4 The Contractor shall deliver:

- a. Project Plan proposing Contractor's methodology for accomplishing the SOW and satisfying specification requirements
- b. The review and remediation of State-furnished Data Gap Analysis, reporting any inconsistencies or errors in Data Gap Analysis
- h. Final Data Gap Remediation Report(s) electronically as a Microsoft® Excel® spreadsheet
- c. The GIS Data QA contractor may require assistance interpreting the remediated GIS data. The GIS Data Gap Remediation contractor shall provide that collaboration in a timely manner.
- d. Notification immediately to the State's single point of contact (*to be announced*) of any difficulties or problems meeting the requirements of the deliverables or schedule.

**Bidder's proposal response to this requirement(s) goes here.**

(select one)    **Fully Compliant**

**Describe here your general experience with and proposal for Gap Remediation and Reporting.**

- a. Allied Technical Consultants, Inc. has developed and uses STAR (Standard Test of Addresses and Results) tool for data quality and control. This tool has been used for Address Point, Centerline, and MSAG data validation and remediation
- b. Allied has remediated GIS databases for several Kansas PSAPs
- c. Allied will follow its designed "Project Task Work/Check list" plan to ensure remediation is completed in an efficient and effective manner

### **9.3 Project C – GIS Data QA Audit**

As GIS data is remediated, the State will furnish to the GIS Data QA contractor the Final Data Gap Remediation Report(s) for audit.

Contractor shall deliver:

- a. QA Audit Project Plan proposing Contractor's methodology for accomplishing SOW and satisfying specification requirements
- b. GIS Remediation Checklist (based on current NENA standards)
- c. QA Audit Initial report addressing GIS Data Readiness of PSAPs
- d. QA Audit Intermediate report addressing GIS Data Readiness of PSAPs
- e. QA Audit Final Report addressing GIS Data Readiness of PSAPs delivered as a Findings Report in electronic format stating that remediation is acceptable or not acceptable
- f. Notification immediately to the State's single point of contact (*to be announced*) of any difficulties or problems meeting the requirements of the deliverables or schedule

**Bidder's proposal response to this requirement(s) goes here.**

*(select one)* Fully Compliant, Partially Compliant, Non-Compliant

**Describe here your general experience with and proposal for GIS Remediation Checklists, and QA Audit Reports.**

a.