

REQUEST FOR PROPOSAL
TO SUPPLY
MOBILE DATA COMMUNICATIONS SYSTEM

TO BE DELIVERED TO

LUZERNE COUNTY 911
100 YOUNG STREET
WILKES-BARRE, PA 18706

MAY, 2003

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SECTION 1 PROJECT OBJECTIVES AND INSTRUCTIONS

1.1 PROJECT OBJECTIVES

It is the purpose of this request for proposals (RFP) to obtain proposals from qualified vendors to supply a Mobile Data Communications System (MDCS) that will provide for secure wireless data transfer in an 800 MHz environment. It is expected that the MDCS will provide for access to Federal (NCIC), State (CLEAN) and local criminal information databases, as well as real time messaging, silent dispatch, incident report uploading and Automatic Vehicle Location capabilities. The County of Luzerne currently utilizes Computer Aided Dispatch system provided by Logistic Systems with an Aether / Packet cluster mobile data interface systems. It is of paramount importance that these current systems are supported by the MDCS.

1.2 GENERAL

The vendor's proposal must include any and all hardware and software to furnish the mobile data radio infrastructure as specified within. The vendor is required to provide a fixed and firm price for this project, no additions or corrections to this project will be allowed after the awarding of this project without the written consent of the County.

All items supplied must be new and unused condition. All hardware and software must be the most current models and versions available.

The County reserves the right to reject any and all proposals if, in the Board of Commissioners' judgment, the proposals are not in the best interest of the County.

All proposals must remain valid for a minimum of ninety (90) days from the proposal due date.

The County reserves the right to increase or decrease the stated quantities in this RFP prior to awarding this project.

The successful vendor will be required to sign a contract with the County.

1.3 PROPOSAL PREPARATION COSTS

The Vendor is responsible for any costs associated with the development, preparation, transmittal, and submission of any proposal or material submitted in response to this RFP. The County of Luzerne assumes no contractual or other obligations as a result of the issuance of this RFP, the preparation or submission of a proposal by a respondent, the evaluation of proposals, or the selection of any respondent for further negotiations.

1.4 ADDENDA TO THIS REQUEST FOR PROPOSALS

The County of Luzerne will not be responsible for oral interpretations given by any of its employees, representatives, or others. **The issuance of a written addendum is the only official method whereby interpretation, clarification, or additional information can be given.** If any addenda are issued to this RFP, Luzerne County will attempt to notify all prospective vendors who have secured the RFP. However, it will be the responsibility of each vendor, prior to submitting the competitive proposal, to contact the project manager listed in Section 1.6 to determine if addenda were issued and to make such addenda a part of its competitive proposal. All addenda and questions related to this RFP can be found on the internet at: <http://www.LuzerneCounty911.com/mdcs/> .

1.5 PROPOSAL SUBMITTAL

Sealed proposal responses with the vendor's name and address, clearly marked as "MOBILE DATA COMMUNICATION SYSTEM FOR LUZERNE COUNTY 911", are due by the time and date specified on the cover letter to this RFP. 1 original and 4 copies must be delivered to the following address:

Luzerne County Controller's Office
200 North River Street
Wilkes-Barre, Pennsylvania 18702

No bid may be withdrawn within 60 days of the due date.

1.6 QUESTIONS REGARDING THIS REQUEST FOR PROPOSALS

Any questions about this RFP can be referred to:

Joseph R. Scheff
Technical Support Supervisor
Luzerne County 911
100 Young Street
Wilkes-Barre, Pennsylvania 18706
570-826-3059
jscheff@luz911.com

1.7 FORMAT OF PROPOSALS

All vendors are advised to read this RFP in its entirety. Failure to read and/or understand any portion of this RFP shall not be cause for waiver of any portion of this RFP.

All responses to this RFP must be on 8 ½" X 11" paper contained in a three ring binder. The response must address all sections contained within this RFP in sequence and include the paragraph number and entire paragraph in the response.

All proposals must include a signed and completed cost analysis form as provided in Appendix B of this RFP. This cost analysis form must be used to indicate the vendors final proposed pricing. In addition, the vendor's response must include an itemized list of all proposed equipment, hardware and software listed separately, and services with the corresponding unit price.

All responses to this request for proposals must include a firm resume' detailing the qualifications and experiences of the vendor. The firm resume' must include a list of references of other clients of similar size where you have provided the proposed product.

1.8 AWARD CRITERIA

Contract award will be to a responsible vendor, based upon an analysis of the following criteria:

A contract will be negotiated with the vendor proposing a system that Luzerne County 911 determines is in its best interest. Examples of the types of factors (listed in no weighted order) that the county will use in making this determination are listed below.

- Completeness of the vendors proposal
- Conforms to software and hardware specifications
- Vendor's reputation with current or past users
- Availability of service and support
- Quality of service and support
- Options available to the county from the vendor
- Other information as it becomes available

1.9 VENDOR QUALIFICATIONS AND REFERENCES

All vendor qualifications will be evaluated to determine the company which, in the sole judgment of the county, will best fill our needs. The vendor's qualifications will be evaluated on:

- a. The level of experience and performance with similar type and sized projects.
- b. Vendor's standing as the hardware and software manufacturer or manufacturer's certified installer and maintenance source.
- c. The number of years in the public safety mobile data industry.
- d. The vendors documented financial stability.

All vendors must provide a list of references of other similar type and sized project. This list must include:

- a. The agency name work was performed for.
- b. The name of a contact person familiar with your installation.
- c. The telephone number and email address of the contact person.
- d. The address of the project headquarters.
- e. The date the project was installed.

1.10 REJECTION

The County of Luzerne reserves the right to:

Make all decisions regarding this procurement, including the right to decide whether a proposal does or does not comply with the requirements set forth in this RFP, as deemed in the best interest of the County of Luzerne; accept, reject, or negotiate modifications in any terms of the vendor's proposals or any parts thereof; and to reject any or all proposals received. It must be understood that this RFP does not create any obligation on the part of the County of Luzerne to enter into any contract or undertake any financial obligation with respect to the proposal referred to herein.

1.11 OPTIONAL COST INCENTIVES

Where deviations from the specifications may result in lower cost and/or improved performance, vendors are encouraged to describe, in writing, equipment that is in full agreement with the specification as well as a suggested alternate in sufficient detail to permit evaluation. For example, vendors must explain why the alternate proposal will provide equivalent or improved performance.

1.12 COMPLETENESS OF RESPONSE

Failure to include in the proposal all information requested in this request for proposals may be cause for rejection of the proposal.

1.13 NON-COLLUSION AFFIDAVIT

All vendors must sign a non-collusion affidavit as provided in Appendix A of this RFP. This must be signed by an authorized representative of the vendors company having the authority to legally bind the vendors company.

1.14 AGREEMENT OF TERMS

All vendors must provide a statement written on the vendors official letter head stating that the vendor fully understands and agrees to follow all of the parameters contained within this request for proposal and that all cost to satisfy this request for proposal has been included in the response. This statement must acknowledge that any additional costs that the successful vendor did not include in their response to this request for proposal, and discovered after the project has been awarded, will be the responsibility of the vendor. This must be signed by an authorized representative of the vendors company having the authority to legally bind the vendors company.

1.15 BID BOND

Proposals must be accompanied by a certified check, bid bond, bank cashier's check or trust company treasurer's check in the amount of ten per cent (10%) of the total amount of the bid, made payable to the treasurer of Luzerne County. If the bidder shall fail or refuse to enter into a contract within fifteen (15) calendar days after being given the award, the proceeds of the check/bond deposited by him shall be used as liquidated damages by the county for his failure or refusal to comply.

1.16 PERFORMANCE BOND

The successful vendor will be required to supply within ten (10) calendar days after being given award a performance bond, certified check, bank cashier's check or trust company treasurer's check in the amount of fifty per cent (50%) of the total amount of the bid, made payable to the treasurer of Luzerne County. If the bidder shall fail or refuse to satisfy the requirements of this request for proposals, the proceeds of the check/bond deposited by him shall be used as liquidated damages by the county for his failure or refusal to comply.

SECTION 2 TIME FRAME FOR COMPLETION

2.1 PHASE ONE – RFP RELEASE

This request for proposals is released and all responses are received by the date specified in this RFP.

2.2 PHASE TWO – REVIEW PERIOD AND PROJECT AWARD

Responses are reviewed and contract is awarded within thirty (30) days from the deadline to respond date. Written notice to proceed will be issued by the county.

2.3 PHASE THREE – DELIVERY AND INSTALLATION

Upon award of the contract, the successful vendor will ship to the Luzerne County 911 center all items proposed. All items must be received at the 911 center within (60) calendar days after being awarded the contract. Luzerne County will notify the successful vendor when installation of site hardware is completed (approximately 60 calendar days). The vendor will complete all outstanding items within (30) calendar days after notification.

2.4 PHASE FOUR - ATP

After all items have been received and made operational there will be an acceptance test procedure phase. The ATP, determined by the County will be signed after a full review of the items delivered. The successful vendor must rectify any problems discovered such as damage in delivery, incorrect quantities or omissions. The successful vendor must rectify all problems discovered in the ATP within the ninety (30) calendar days described in phase three (3).

2.5 PHASE FIVE – FINAL PAYMENT

Final payment will be made to the successful vendor within thirty (30) days after completion of all items proposed and being bill by the vendor.

SECTION 3 SPECIFICATIONS

3.1 GENERAL

A private mobile data radio system is a county owned, wireless data network connection used to interconnect emergency service agencies located at the incident location with information available in the network. The vendor shall provide all elements necessary to implement the system including:

- 800 MHz digital base stations
- Base station modems
- 800 MHz digital mobile radios
- Multi-site controller
- Interconnection to existing microwave radio system
- Interconnecting with existing computer aided dispatch system
- Factory training

All proposed hardware must meet or exceed the following:

- All equipment requiring FCC type approval, acceptance or certification shall have approval, acceptance or certification at the time of shipment
- All electronic equipment shall be solid state, utilize silicon semiconductor technology and reflect the latest advantages in state-of-the-art design
- All equipment and materials must be new and free of corrosion, scratches and other defects
- All equipment must be of current design and manufacture
- All equipment shall meet or exceed the applicable standards of the Electronic Industries Association, the Federal Communications Commission and shall conform to the specifications of the local telephone company with respect to audio levels, frequencies and control voltages to be impressed upon telephone lines
- Equipment design and construction shall be consistent with good engineering practice and shall be executed in a neat and workman-like manner

3.2 IMPLEMENTATION

All vendors' proposals must:

- Provide a complete documentation package to the county. The package must include system diagrams, interconnection drawings, parameter lists and optimization procedures
- Prepare a detailed acceptance testing procedure
- Provide operational and technical training to Luzerne County 911 technical support personnel. Factory training must include installation, maintenance and operation of all items proposed. (see section 3.18)

3.3 FCC LICENSED FREQUENCIES AND TOWER SITES

Luzerne County currently has frequencies available for a dedicated data only system. These 800 MHz frequencies must support the wireless data operations at 43,200 bps over a full 25 kHz conventional channel. The following are the frequencies and parameters for this system:

Site Name	Latitude	Longitude	Ant HAMSL	Frequency	ERP
Freeland	41-02-14	075-57-41	653 M	854.9625 MHz	100.0W
Campbell's Ledge	41-21-33	075-47-40	409 M	855.2375 MHz	100.0W
Shickshinny	41-10-03	076-09-06	517 M	855.4625 MHz	100.0W
White Haven	41-02-59	075-47-26	567 M	855.4875 MHz	100.0W
Dallas	41-21-41	075-58-41	566 M	855.9625 MHz	100.0W
Hazleton	40-58-09	075-57-27	625 M	855.9875 MHz	100.0W
MT Top	41-10-59	075-52-30	689 M	856.7125 MHz	100.0W
Nescopeck	41-02-13	076-05-07	608 M	857.7125 MHz	100.0W
Grand View	41-18-30	076-18-34	759 M	858.7125 MHz	100.0W
Bear Creek	41-11-01	075-43-15	647 M	860.7125 MHz	100.0W

3.4 PROPAGATION STUDIES AND COVERAGE ANALYSIS

All vendors will be required to supply with their proposals propagation studies of the proposed sites and if deficiencies are detected make recommendations on improvements.

3.5 PHYSICAL SPECIFICATIONS

The proposed fixed site hardware must be capable of being installed in a standard EIA 19-inch rack. No racks are required to be supplied in this proposal.

The following environmental specifications must be met:

- Operating Temperature: Shall be between 10°C (50°F) and 27°C (80°F)
- Storage Temperature: Non-operating temperature shall be between -40°C (-40°F) and 43°C (110°F)

3.6 POWER REQUIREMENTS

The main power for all fixed site hardware shall be 115V/220V AC. The system may be powered by DC, but with a redundant power supply. The system will be supplied filtered AC power from an existing UPS system located at each site.

3.7 SYSTEM ADMINISTRATIVE INTERFACE

System administration must be through a standard personal computer connected through standard RS232 interface. Administrative interface must allow access without system interruptions. A full set of software and necessary licenses must be provided with the system.

3.8 SYSTEM ACCESS PASSWORD

Access to system administration shall be password controlled. Different privilege levels must be maintained for different users, to ensure that untrained personnel cannot perform sensitive operations.

3.9 800 MHz DIGITAL BASE STATIONS

The vendor shall provide a detailed description of its proposed base station radio system, taking into consideration the following minimum specifications:

- Modular design
 - The fixed equipment proposed should be modular in design. This modularity allows the ability to take advantage of specific component upgrades to base radio modems. Modularity also allows flexibility in RF network architecture changes. The vendor shall include a description of the proposed fixed equipment based on these guidelines.
- Base radio system
 - The base radio system shall consist of a base station(s) with required automatic station identifiers. All duplexers and isolators, base station antennas, coaxial cable with diameter of at least 7/8 inches, connectors and mounting hardware will be provided by the county. A complete list of suggested antenna system hardware must be provided.
- Digital design
 - The base station radio shall be designed solely for the purpose of data communications.
- Encode
 - The modem section of the base radio system shall reliably encode outgoing messages from the host application for RF transmission to the mobile radio modem.
- Multiple receive
 - The modem section of the base radio system shall simultaneously decode two incoming message streams provided by the RF section of the data base station for increased message reliability in the field while operating at 43.2 Kbps over the air data rate.
 - The base station receivers must be capable of <1% BER at -106 dBm at 43.2 Kbps
- Spare parts
 - The manufacturer must have a parts support system capable of providing parts for a period of seven (7) years from the date of system acceptance.
- Type acceptance
 - All radios shall be FCC type-accepted for transmission of the proposed data signals.

- Functionality
 - The base station radios must operate full duplex and be capable of transmitting an outbound message to one mobile and receiving an inbound message from another mobile simultaneously. (Simplex and half-duplex base radios do not meet the intent of this specification.)
 - Transistors, integrated circuits and other solid-state silicon devices shall be used throughout to maximize the life expectancy of radio equipment in keeping with good engineering practice.
 - All tunable circuit adjustments shall be easily accessible.
 - Commercial-grade circuit boards shall be used throughout the radio unit for maximum durability.
 - Each base station shall operate on a single transmitter and receiver frequency pair. The equipment shall meet or exceed all specified EIA and FCC standards.
 - The base radio will provide all necessary base station control circuitry to mechanical and electrical connections to provide a data interface to the base modem.
 - Each base station must have an automatic station identification feature that is compliant with FCC base station identification specifications.
- Frequency stability
 - 1.5 ppm
- Power output
 - 20 - 70 WATTS continuous duty
- Adjacent channel power
 - 85 dB @ 25 kHz
 - 80 dB @ 12.5 kHz
- FM hum and noise
 - -45 dB (300 Hz to 3 kHz) EIA
- Transmitter sideband noise
 - -100 dBc @ 12.5 kHz
 - - 88 dBc @ 25 kHz
- Receiver adjacent channel selectivity
 - 85 dB @ 25 kHz
 - 80 dB @ 12.5 kHz
- Receiver intermodulation rejection
 - 80 dB Typical

3.10 BASE STATION MODEM

- The vendor shall provide a detailed description of the base station modem, taking into consideration the following minimum specifications. It is highly desirable that the base station modem be separate from the base station radio to allow for future modem upgrades or radio enhancements, and to allow the greatest degree of base hardware flexibility.
- Functionality
 - The modem shall communicate with the application server using a multiplex protocol for a single interface between application and radio network.
 - The modem shall reliably encode outgoing messages from the application server for RF transmission to the mobile modem, and decode incoming messages from the mobile modem.
 - The modem shall validate the message from the mobile modem and review it for errors (error detection). If an error is detected, the base modem shall initiate forward error correction. Proposals that include modems that do not incorporate such error handling techniques will not be considered. The vendor will include a detailed description of the modem's error correction capabilities.
 - A positive acknowledgment will be sent to the originating mobile modem upon receipt of successfully received and corrected messages. The error-free message will be forwarded to the application server. Uncorrectable messages will not be forwarded to the application server.
 - The failure of any given base modem shall disable one base station only.
 - Each base modem must be uniquely identifiable.
 - All units shall have a minimum over-the-air protocol speed of 43,200 bps on a full 25 kHz conventional channel

3.11 800 MHz DIGITAL MOBILE RADIOS

The mobile radios supplied must consist of five (5) units capable of meeting or exceeding the following specifications:

- Operation capable of delivering 43.2 Kbps data throughput when utilizing a 25 KHz 800 MHz channel
- Built-in GPS receiver for automatic vehicle location system
- Multiple RS-232 data ports with a built-in multiplexer
- Frequency range of 851-869 MHz receive and 806-824 MHz transmit
- FCC type accepted for proposed operation
- Power supply voltage must be 13.8 Vdc
- Minimum of 35 Watts RF transmitter output power
- Receiver capable of <1% BER at -106 dBm at 43.2 Kbps

3.12 MULTI-SITE CONTROLLER

- In order to cover the entire service area, multiple sites are required. The proposed MDCS shall provide a single controller interface to the host server. This controller shall transparently arbitrate the sites assuring logical addressing of the client will be all that is required of the host server. The multi-site controller (MSC) will manage the network of base station modems and provide a host communications interface to the message switch. The MSC will automatically route receive messages to the application server and send outbound messages through the client's active base station without intervention. The vendor shall provide a detailed description of the MSC, taking into consideration the following minimum specifications.
- Physical Specifications
 - The MSC shall be physically mounted in a 19" rack cabinet. The MSC CPU shall be provided in an industrial style case. Consumer or office style cases will not be considered. The operator interfaces shall be located at the front of the rack and the interconnections shall be located at the rear. The monitor shall also be rack mounted. A key lock shall prevent unauthorized users from accessing the MSC. The keyboard shall be mounted in a retractable tray so it can be stored out of the way when the MSC is not being maintained.

- Interfacing
 - The MSC proposed shall support interfacing to a minimum of ten sites being expandable of up to sixteen (16) remote radio sites. Sites shall be capable of being configured with like or differing frequencies. Any modems, channel cards or other communication hardware necessary to interconnect the MSC to the base station modems through the existing microwave radio system shall be included with the MSC. The MSC shall support interfacing of 4 host servers. The interface to the servers shall be 10 baseT Ethernet utilizing TCP I/P transmission protocol.
- Roaming and overlap control
 - It is required that mobile clients seamlessly roam about areas that will be covered by more than one base station's signal. In some areas the mobile client will be able to communicate with more than one base station on the same or different frequencies. The MSC shall arbitrate between sites and frequencies so the operator in the vehicle will never have to manually change channels. In certain areas, the base stations using the same frequency will have nearly the same signal strength constituting simulcast interference. The MSC shall mitigate the effects of this interference to assure that mobile clients in the areas with RF overlap enjoy reliable coverage. Since mobile clients may be in any covered area of the MDCS at any time, considerable time could be lost hunting for them. The MSC shall keep track of the sites each mobile travels to and attempt to originate communication with the mobile at those sites first. If the mobile does not acknowledge from the last site(s) it used, the MSC shall hunt for the mobile at all other sites before failing the message.
- Data logging
 - The MSC shall log all activity transpiring on the MSC. Statistics from each base station modem and each message shall be kept. These statistics may be used to trace the path and success of each message to facilitate optimization of the system.
- Remote diagnostics
 - The MSC shall provide diagnostic information for all remote base station sites and mobile clients. It shall be possible to access diagnostics from the system terminal (the keyboard and CRT mounted in the rack with the MSC) or a remote dial in terminal. Access to diagnostics shall be password protected to prevent unauthorized access to the MSC.

3.13 INTERCONNECTING TO EXISTING MICROWAVE

All data communication to and from each tower site must be accomplished over the existing digital microwave system. All of the necessary hardware need to interface the proposed MDCS into the microwave must be stated and included in the proposals. A DS1 link exists between each tower site and the 911 center utilizing a Harris Intraplex ACS160 channel bank. The appropriate data card for the channel banks must be included.

3.14 INTERCONNECTING TO EXISTING CAD SYSTEM

The proposed mobile data communications system must be successfully interfaced with the existing Logistic Systems computer aided dispatch system and the Aether / Packet cluster mobile data interface systems.

3.15 TRAINING

A factory-training course must be supplied for up to five Luzerne County employees. The training course must include first level maintenance on all of the equipment contained in the request for proposal, basic operation and preventive maintenance. Training curriculum must be included with the response to this request for proposal for evaluation. The training cost must include all cost for travel, lodging, meals and supplies for the class.

3.16 INSTALLATION

The county 911 technical support staff will be responsible for the installation of all hardware and the successful vendor will be responsible for the installation of all software and networking components of the system. The successful vendor, to make certain the MDCS will function properly, must verify the proper installation of the hardware installed by the county. The vendor shall be responsible for all costs associated with verification, software and networking installation and testing of the MDCS components. The vendor shall submit a sample implementation plan, which will include a detailed description of all installation/implementation tasks to be followed by the vendor and the county.

3.17 ACCEPTANCE TESTING PROCEDURE

The successful vendor shall prepare a comprehensive acceptance test procedure to clearly and definitively demonstrate to the county that the entire MDCS meets all specifications and contractual commitments. The proposed ATP must accompany the vendor's response. This ATP must be a form that can be checked off as delivery of all required items and operational tests of the equipment is completed.

The acceptance test plan shall include:

- Test procedures for each phase
- Delivery of all hardware
- All equipment and system acceptance criteria and parameters
- Any specific resources required to be provided by the vendor or the county for completion of all acceptance tests and inspections

These test procedures shall outline all system acceptance tests and inspections that are to be strictly adhered to by the vendor and monitored by the county. The procedures will be used as the basis to determine acceptability of the entire MDCS in accordance with the system specifications, the test plan and all contractual commitments.

The detailed test procedures shall include all acceptance tests for all system equipment, tests on a sample of installed vehicle equipment and tests at all base station radio sites, including all of the county's transmitter sites. As a part of the test procedures, the vendor shall demonstrate for the county that the RF coverage and mobile data communications system capacity (including radio channel loading, and throughput) will meet proposed specifications. All test plans and procedures shall not be revised without the prior approval by the county. When all testing is complete and verified, the county project manager will sign the ATP giving their approval. Only after the ATP has been signed and the equipment has been fully operational for thirty (30) days will final payment be released. If for any reason the equipment will not fully function as proposed by the vendor the successful vendor will be responsible to rectify the problem at no additional cost to Luzerne County.

3.18 WARRANTY

All equipment must have a full warranty against any failures for a minimum of one (1) year from the date the acceptance test procedure is signed. The successful vendor must agree to allow Luzerne County employees to provide first level maintenance on all of the proposed equipment.

Priced as an option, an extended warranty covering years two (2), three (3), four (4) and five (5) must be provided. This warranty should be for factory returned equipment service and repair only. On-site technical support is not required.

A written copy of all warranties and first level maintenance agreement must accompany the response to this request for proposal. All repairs to any part of this MDCS must be provided without charge to the county during the initial one (1) year warranty period as defined above.

3.19 PARTS ACCOUNT, DISCOUNT LEVEL AND FACTORY SUPPORT

A parts account must be supplied with the manufacture of the MDCS. Any parts or items necessary to repair, service, maintain or expand the proposed MDCS must be made available directly from the manufacture without going through a third-party vendor. All proposals must include the procedure by which the county will access the parts account and the discount level off of list price the county will be given. A twenty four (24) hour per day seven (7) days per week factory technical support telephone number must be made available for Luzerne County technical support staff. All costs for both the warranty and post warranty period, if any, for the technical support telephone access must be stated in the vendor's proposals.

3.20 PAYMENT TERMS

After all items have been delivered and successfully passed the ATP the total cost of project will be paid after receiving a bill from the successful vendor. Payment will not be made until all items specified have been delivered and made operational without defects.

Payment will be made to the successful vendor within thirty (30) days after completion of all items proposed and being bill by the vendor.

APPENDIX A

NON-COLLUSION AFFIDAVIT

LUZERNE COUNTY 911 MOBILE DATA COMMUNICATIONS SYSTEM
REQUEST FOR PROPOSAL
MAY, 2003

By submission of this proposal, The vendor certifies that:

- a. This proposal has been submitted, independently, without collusion with other vendors or with any competitor or potential competitor.
- b. This proposal has not been knowingly disclosed and will not be knowingly disclosed, prior to the opening of proposals for this project, to any other vendor, competitor or potential competitor.
- c. No attempt has been, or will be made to induce any other person, partnership or corporation to submit or not to submit a proposal.
- d. The person signing this affidavit certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and, under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the vendor as well as to the person signing in its behalf.

SIGNED _____

PRINTED _____

TITLE _____

COMPANY NAME _____

APPENDIX B

COST ANALYSIS FORM

LUZERNE COUNTY 911 MOBILE DATA COMMUNICATIONS SYSTEM
REQUEST FOR PROPOSAL
MAY, 2003

800 MHz DIGITAL BASE STATIONS	\$
800 MHz DIGITAL MOBILE RADIOS	\$
MULTI-SITE CONTROLLER	\$
EXISTING MICROWAVE INTER-CONNECTION	\$
EXISTING CAD SYSTEM INTER-CONNECTION	\$
ENGINEERING AND TECHNICAL SERVICES	\$
SHIPPING	\$
FACTORY TRAINING	\$

TOTAL PROPOSED COST	\$
---------------------	----

EXTENDED WARRANTY YEAR TWO (2)	\$
EXTENDED WARRANTY YEAR THREE (3)	\$
EXTENDED WARRANTY YEAR FOUR (4)	\$
EXTENDED WARRANTY YEAR FIVE (5)	\$

SIGNED

VENDOR NAME

PRINTED

DATE