



REQUEST FOR PROPOSALS FOR PSNET DEVELOPMENT AND MANAGEMENT

APRIL 2018

ADVERTISEMENT
CITY OF BOSTON

REQUEST FOR PROPOSALS
FOR A Technical Vendor for Psnet Development and Management
FOR THE OFFICE OF EMERGENCY MANAGEMENT

FOR ADDITIONAL INFORMATION PLEASE VISIT
boston.gov/procurement
AND ACCESS EV00005292
OR CALL Sarah Plowman at 617-635-1400

The City of Boston (“the City”), acting by and through its Director, Office of Emergency Management (“the Official”), requests proposals for a qualified vendor to manage and maintain our public safety network, as particularly set forth in the Request for Proposals, which may be obtained from the City’s purchasing website and Supplier Portal (boston.gov/procurement).

Responding to this RFP is voluntary. All costs associated with responding to this RFP, any presentations, and/or demonstrations will be the sole responsibility of the vendor participating in the RFP response.

All proposals shall be submitted in strict conformance with the Request for Proposal (RFP) which may be obtained by visiting boston.gov/procurement, on or after 12:00 PM., Boston local time, on April 9, 2018. The RFP will remain available until the date and time of the opening of proposals, on April 30, 2018 at 12:00 PM, Boston local time.

The attention of all proposers is directed to the provisions of the Request for Proposals and contract documents, specifically to the requirements for proposal deposits and insurance as may be applicable.

Offerors have the option of submitting proposals through either (i) the City of Boston’s Supplier Portal boston.gov/procurement or (ii) by delivery of two (2) separate sealed envelopes, one containing two (2) copies of the Non-Price Technical Proposal with one (1) marked as the Original, and one (1) electronic copy (thumb drive), labeled as “PSNET 3 - NON-PRICE TECHNICAL PROPOSAL,” and the other containing two (2) copies of the Price Proposal with one (1) marked as the Original, and one (1) electronic copy (thumb drive), labeled as “PSNET 3 - PRICE PROPOSAL.” Under no circumstance shall any price information be included with a Technical Proposal.

If submitting via paper, price and technical proposals shall be submitted **separately** in sealed, clearly labeled envelopes on or before 12:00 PM, Boston local time, on April 30, 2018 to:

Sarah Plowman, Regional Planner
Office of Emergency Management (OEM)

Boston City Hall, Room 204
1 City Hall Square
Boston, MA 02201

The Official shall reject late proposals. Failure to submit separate sealed price and technical proposals shall result in disqualification of the entire proposal.

The Official shall not open the proposals publicly, but shall open the technical proposals in the presence of one or more witnesses within twenty-four (24) hours of the above deadline for submission of proposals. The Official may open price proposals later and in any case shall open the price proposals to avoid disclosure to the individuals evaluating the technical proposals.

The term of the contract shall be for one (1) year.

The City reserves the right to reject any and all proposals, or any part or parts thereof, and to award a contract as the Official deems to be in the best interests of the City. This contract shall be subject to the availability of an appropriation therefore, if sufficient funds are not appropriated for the contract in any fiscal year, the Official shall cancel the contract. The maximum time for acceptance of a proposal and the issuance of a written notification of award shall be one hundred eighty (180) days. The award of this contract shall be subject to the approval of the Mayor of Boston.

Rene Fielding,
Director, Office of Emergency Management

SECTION 1 – GENERAL INFORMATION AND PROPOSAL SUBMISSION REQUIREMENTS

The Mayor’s Office of Emergency Management (OEM) on behalf of the Metro Boston Homeland Security Region (MBHSR) is requesting proposals to contract with qualified a technical vendor to engineer, upgrade, maintain, repair, manage and monitor the Public Safety Network (PSnet) infrastructure system. In addition, the contractor may provide equipment and software acquisition services on behalf of OEM for the PSnet system. The MBHSR Communications Interoperability Subcommittee (CIS) has identified a critical need to continue the technical management and development of the existing private, secure, Boston regional PSnet infrastructure that provides interconnection, IP transport, and other backbone and key IT services to an increasing variety of public safety services, systems, and applications.

Please provide your proposals as indicated in the attached Request for Proposals. Please read the entire document before responding or submitting questions. All qualified vendors are encouraged to apply.

Proposal Due Date: April 30, 2018 12:00PM Boston local time

Proposal Subject: PSnet Development and Management

RFP Number: EV00005292

Return Proposals:
Online Submission: Supplier Portal at
<https://www.boston.gov/departments/procurement/how-use-supplier-portal>

Mail to: Boston City Hall
Mayor’s Office of Emergency Management Room 204
Attn: Sarah Plowman, Regional Planner
One City Hall Square
Boston, MA 02201

Competitive sealed proposals for the services specified will be received via the City of Boston Supplier Portal or via mail to the Mayor’s Office of Emergency Management (OEM), at the above specified location, until the time and date cited. Proposals must be in the actual possession of OEM on or prior to the exact time and date indicated above according to OEM’s reception area clock. **LATE PROPOSALS WILL NOT BE CONSIDERED.**

Via Mail

It is mandatory that price and non-price proposals that are mailed be submitted in separate sealed envelopes. Please submit the price and non-price proposals as follows:

A) one (1) price proposal and one (1) electronic copy (thumb drive) in a sealed envelope marked in the lower left corner with the words: **“PSNET 3 – Price Proposal”** as well as the proposer’s name and

B) one (1) original and one (1) electronic (thumb drive) of the non-price technical proposal in a sealed envelope or sealed box marked in the lower left corner with the words: **“PSNET 3 – Non-Price Technical Proposal”** as well as the proposer’s name.

Failure to submit separate sealed proposals will result in rejection of the proposal.

Via Electronic Submission

To respond through electronic format, please visit the City of Boston’s Supplier Portal and access **Event EV00005292**.

RFP Availability: An RFP information packet will be available starting at April 9, 2018, 12:00pm online at www.boston.gov/procurement until 12:00pm April 30, 2018.

This procurement is conducted in conformance with Massachusetts General Law, Chapter 30B.

- The contract will be awarded within ninety (90) days of this proposal opening. This RFP as well as the successful proposer’s response will become part of the contract;
- If any changes are made to this RFP, an addendum will be posted via www.boston.gov/procurement. It is the responsibility of interested proposers to check the *City Record* and/or contact Sarah Plowman for addendums and changes to this RFP;
- A proposer may correct, modify, or withdraw a proposal by written notice if received by OEM prior to the time and date set for the proposal opening. Proposal modifications must

be submitted in a sealed envelope clearly labeled “modification No. _” Each modification must be numbered in sequence and must reference the original RFP;

- After the proposal opening, a proposer may not change any provision of the proposal in a manner prejudicial to the interests of the Metro Boston Homeland Security Region or fair competition. OEM reserves the right to waive any defects, informalities and minor irregularities in the proposals received. If a mistake and the intended correct wording are clearly evident on the face of the proposal document, the mistake will be corrected to reflect the intended correct meaning and the proposer will be notified in writing; the proposer may not withdraw the proposal. A proposer may withdraw a proposal if a mistake is clearly evident on the face of the proposal document, but the intended correct wording is not similarly evident;
- Proposal prices must remain firm for 90 days after the proposal opening;
- Proposals must also include the signed Proposal Signature Page, Contractor Certifications Page (CM-09), Certificate of Authority (CM-06), and Price Proposal page as provided in this RFP.
- You must submit a signed copy of the required forms identified on page 33.
- All proposals must be signed by appropriate, authorized individual or individuals, e.g. if the proposer is a partnership, by the name of the partnership, with the signature of each general partner. If the proposer is a corporation, it must be signed by the authorized officer whose signature must be attested to by the Clerk/Secretary of the corporation and the corporate seal affixed, or appropriate certificate of authorization.
- OEM shall be under no obligation to return any proposals or materials submitted by a proposer in response to this RFP. All proposals and materials timely submitted by a proposer shall be retained by OEM and shall become the property of OEM.
- The provisions of this RFP are severable and if any provision or provisions shall be determined to be illegal or invalid by a court of competent jurisdiction, such determination shall not impair or otherwise affect any other provision of this RFP.

- All questions and requests for clarification must be received in writing no later than **April 23, 2018 to:**

Sarah Plowman
Regional Planner
Boston City Hall
Office of Emergency Management (OEM), Room 204
One City Hall Square
Boston, MA 02201
Sarah.plowman@boston.gov

- When completed, check off and sign the PROPOSAL CHECKLIST to ensure inclusion of all requested items.
- OEM and the MBHSR reserve the right to cancel all or part of this solicitation. The issuance of this solicitation does not imply any commitment to purchase any product or services from any vendor.
- OEM, acting on behalf of the MBHSR, is the awarding entity that will sign the contract and to whom invoices will be submitted and by whom the contractor will be paid.
- OEM and MBHSR reserve the rights to negotiate the proposed plan for performing the overall work prior to any formal authorization of the contract.
- A selection committee of the MBHSR PSnet Executive Committee (PSNEC), with input from OEM, will judge proposals and recommend a proposer for contract award by OEM.
- The MBHSR PSNEC, in conjunction with OEM, will jointly manage the progress of the contractor's work.

SECTION 2 – PROJECT OBJECTIVES AND OVERVIEW

1. Project Objectives

The purpose of this project is to seek a technical contractor to assist with the planning, implementation, technical support, preventative maintenance, daily routine/corrective maintenance, restoration and/or repair, management and monitoring of PSnet, a network infrastructure of high-speed, redundant, secure fiber and microwave technology based-backbone which interconnects and serves public safety and public service jurisdictions throughout the MBHSR region. The successful vendor will be required to execute a variety of complex and extensive technical management and upgrade services to ensure the resiliency and operability of PSnet.

2. Overview

The Metro Boston Homeland Security Region (MBHSR) is charged with enhancing the region's ability. It serves as the decision-making body for the Urban Area Security Initiative (UASI) program comprised of nine jurisdictions – Boston, Brookline, Cambridge, Chelsea, Everett, Quincy, Revere, Somerville, and Winthrop. The MBHSR has the need to enhance the effectiveness of critical public safety systems and applications by fostering the continued sustainment and development of the PSnet system. Incremental planned and opportunistic additions to the PSnet network providing data, internet, radio, video and VoIP services may continue the expansion.

In 2006, the MBHSR began the PSnet public safety network. MBHSR public safety agencies have established an interconnection which enables them to:

- a. Access each other's existing data and data intensive applications, for example databases used during crime analysis or investigation.
- b. Exchange data messages in real-time, for example to support mutual aid across jurisdictions via computer-aided dispatch.
- c. Enhance the operations and interoperability of existing and planned radio systems.
- d. Use various media to augment existing telephone communications, either for routine communications or for emergency backup.
- e. Develop and support new information sharing applications such as those created for intelligence fusion or emergency operations command.

- f. Access central databases as those maintained in the state Criminal Justice information System (CJIS) or the state Automated Fingerprint Identification System (AFIS).
- g. Serve as a critical, enabling resource for future public safety applications such as wide area mobile data or Next Generation (NG911).

Since then, the PSnet system has undergone several expansion phases to continue the development of the system. See Appendices A & B for representative maps and equipment lists.

SECTION 3 – SCOPE OF WORK

The contractor will assume responsibility for project oversight and technical leadership for PSnet serving various data sharing, common applications, and communications interoperability projects within the MBHSR region which may include but not be limited to:

1. Interconnection of local public safety networks for data sharing among public safety agencies in the region and elsewhere;
2. Support efficient, diversely routed, and redundant access to key central public safety systems such as the Integrated Criminal Justice Information System (ICJIS);
3. Optimize and secure backbone support of the regional/state MUZIC APCO P25 radio and data system;
4. Effectively use and optimize “Loop A” Fiber usage by the partners;
5. Support and secure backbone use for video usage and access including wireless access;
6. Plan and develop shared access by mobile users to carrier facilities;
7. Develop a plan to implement shared internet in times of major local or other internet disruptions;
8. Maintain all PSnet connections throughout the MBHSR;
9. Maintain network management systems and services;
10. Maintain network backbone for the Critical Infrastructure Monitoring system (CIMs);
11. Provide 24 X 7 network monitoring of all PSnet servers and all PSnet services for any problems;
12. Provide automated problem alerts and notifications to MBHSR member agencies as well as maintenance vendors;

13. Provide telephone and email support functions to PSnet representatives and key local IT personnel;
14. Manage relevant and timely software updates (security and maintenance patches);
15. Support data backup services and recovery;
16. Develop and manage security policies, systems and techniques including authentication; maintain PKI (certificates) and other PSnet security measures;
17. Assess and document current PSnet equipment life cycle and replacement costs;
18. Provide senior technical assistance and end user-friendly training for municipal stakeholders;
19. Assist in the development of PSnet policies, standard operating procedures, Memorandum of Understanding and governance guidance;
20. Recommend and procure network devices and software as approved by the PSNEC;
21. Make reports on recommendations for further PSnet development and build-out to include equipment and policy.
22. Ensure the mission-critical readiness of the network
23. Assist in long-term sustainability for PSnet
24. Prepare PSnet to interconnect to NG911 network;
25. Provide VPN site-to-site services and remote access to municipal stakeholders as directed by the PSNEC
26. Perform any other duties as deemed necessary by the PSNEC.

The Contractor will work at the programmatic direction of the PSNEC and under the administrative and financial direction of OEM.

The Contractor shall – as directed by the PSNEC - collaborate with various departments and agencies within and serving MBHSR jurisdictions. These typically include such agencies as the public safety IT divisions and organizations of the law enforcement, fire, EMS, and emergency communications/Public Safety Answering Point entities of the MBHSR jurisdictions; the Executive Office of Public Safety and Security Joint Program Office; the Statewide Interoperability Executive Committee (SIEC), the Integrated Criminal Justice Information System (ICJIS) Program Management Office (PMO), the Massachusetts Department of Transportation (MassDOT) PMO for the MEFTON program, and various other stakeholder agencies and organizations in the ongoing efforts to advance the area's public safety network infrastructure and services.

In addition, the selected contractor will also need to work and collaborate with the selected vendor that supports the Critical Infrastructure Monitoring System (CIMs), a critical camera network systems established for the monitoring of critical infrastructures within the MBHSR jurisdictions. Certain key elements of the CIMs camera system are supported by the network infrastructure of the PSnet system.

The Contractor shall work to provide the most cost-effective solutions to MBHSR, providing that such a solution meets the reliability and availability criteria of a public safety network system. Any and all equipment procurement must be approved by the PSNEC.

Mobility may likely be a part of PSnet development. Some of the plans that have been considered over the past couple of years for PSnet deployment on a regional basis can be directly extended to these new mobile device classes for tablets and smartphones. For example, mobile VPN services should be deployed in a way that supports as many of the new mobile devices as is feasible. Similarly, authentication and access control are becoming essential regional services so that mobility can extend across borders for mutual aid and collaboration. Pursuing this approach should amplify PSnet efforts to return greater value for the metro Boston region. Being able to share some of the results with other regions is a further justification.

If the Contractor fails to perform any of the projects detailed in the scope of work as outlined in this Section 3, OEM reserves the right to withhold payment until such failures are remedied.

SECTION 4 – PROJECT REQUIREMENTS

Specific requirements and services to be completed include, but not limited to, the following:

1. Technical consulting including requirements analysis, definition and documentation of interoperability standards, defining and testing specifications for network infrastructure, equipment and appliances;
2. Network engineering in support of the PSnet system;

3. Network monitoring, fault identification and real time alarm reporting 24X7, 365 days per year using network monitoring tools as supplied by PSnet (currently Intermapper). An approximate list of the devices that are being monitored can be found in Appendix B.
4. Network operations support to include fault resolution assistance and network administration function performance. Network problem resolution is at times required outside of normal business hours.
5. Project management, including technical or installation services performed by other contractors under separately bid contracts, coordination and support for meetings and communications with stakeholders, state and municipal government agencies and organizations, network asset owners, network operators and other parties that are identified during this engagement, rights and permitting as needed;
6. Procurement support including specifying and ordering equipment on government contracts, and publishing and review of procurement request documents from the MBHSR jurisdictions and partner stakeholders;
7. Furnishing certain necessary equipment, hardware, labor and procedures to support PSnet as approved by the PSNEC;
8. Managing the security design and implementation according to industry standards, insuring various technical standards, configuring device setup and providing other configuration services and training;
9. Managing the collection and dissemination of a variety of types of information and documentation. All documentation is to be stored on the PSnet SharePoint site, unless otherwise directed by the PSNEC. Examples of types of information include:
 - a. Change management notification form: informing PSNEC of planned work on PSnet
 - b. Resource information: maps and tables showing available network and facility resources, including equipment inventories and equipment end of life documentation
 - c. Plans for new applications, facilities expansion or moves and network deployments
 - d. Technical information i.e. addressing plans, “how-to” guides
 - e. Policy information: documented agreements, MOUs statements of policy, etc.
 - f. Project information: weekly status updates of activities

- g. Project participant information (directories)
 - h. Recommendation for next steps and sustainability of system
10. Attendance at monthly or as-needed PSNEC meetings, and at key meetings with agencies and entities. This also includes participation in weekly written status reports and bi-weekly or as-needed conference calls.
11. Infrastructure Startup and network support for applications hosted on or supported through PSnet including FATPOT, BRIC applications including Omega mapping, etc.
12. Planning and technical support for secure mobile devices and applications running over the network.

If the Contractor fails to perform any of the projects detailed in the project requirements as outlined in this Section 4, OEM reserves the right to withhold payment until such failures are remedied.

SECTION 5 – CONTRACTOR EXPERIENCE / QUALIFICATIONS:

5a. The selected vendor must be able to:

- a. Demonstrate extensive experience with FIPS 140 compliance;
- b. show proven success involving medium to large Public Safety Network projects;
- c. demonstrate experience in fiber optic network, microwave, and wireless network technologies development;
- d. demonstrate familiarity with technologies and network components used in the PSnet backbone and various Commonwealth and local government Public Safety Network Infrastructure;
- e. demonstrate success in internetworking requirement gathering and analysis;
- f. demonstrate experience in network architectural principles and design;
- g. demonstrate experience in network security requirements and security device operation;
- h. have or quickly achieve an understanding of the complexity of the evolution of the public safety backbone systems and projects with regard to the multiagency/entity interdependencies (i.e. METFON, MBI, Loop A, BoNET, DCJIS, SIMS);

- i. demonstrate an understanding of the critical role of the PSnet backbone in the context of Public Safety Interoperability;
- j. demonstrate adequate technical and financial resources for performance as required;
- k. demonstrate a satisfactory record of performance in past contracts.

5b. PSnet Engineering & Support Services Personnel Qualifications

Provide resumes for each person (or persons) that will fill the following roles required for PSnet Engineering & Support Services. Separately list any other personnel providing other services.

1. Technical Project Manager
 - a. Experience in leading complex multi-entity network development and implementation projects
 - b. 5+ years of managing complex IT projects
 - c. Familiarity with the use of modern PM techniques and tools
 - d. Excellent oral and written communication skills including use of web-based tools for document collection, archiving, and knowledge sharing
 - e. Computer networking or IT background is highly desired
 - f. Knowledge of Massachusetts state, regional, and local IT and public safety IT network managers, projects and technology decision-makers is highly desired
2. Senior Network Engineer
 - a. 10+ years of wide and local area network design and architecture experience
 - b. MS degree or higher in computer science or a technical field
 - c. Expert knowledge of TCP/IP, IP Addressing, TCP Services, UDP Services
 - d. Extensive design experience in routing protocols
 - e. Basic UNIX system administration skills
 - f. Experience implementing multi-protocol networks: VLANs, QoS, VOIP, ROIP, Video services, Data services
 - g. Knowledge of Massachusetts state, regional, and local IT and public safety IT networks and network IT practices is highly desirable
 - h. Knowledge of InterMapper for network documentation and monitoring is highly desirable
 - i. Familiarity with certain network devices is highly desirable: Cisco WS-C3550 and WS-C4506 are examples
 - j. Knowledge of RANCID software for network configuration version control is desirable
3. Network Manager
 - a. Expertise in supporting and maintaining network equipment including routers and switches
 - b. Expertise in using network management and monitoring tools and applications
 - c. General expertise with computer languages and operating systems
 - d. Experience with analyzing problems and finding errors in systems
 - e. Familiar with current network industry trends
 - f. Should possess good verbal as well as written communication skills and should be able to provide guidance on the telephone and email

4. Network Security Specialist
 - a. At least 10 years experience in the computer security field providing IT security services, developing security documents and plans, and/or doing security audits
 - b. A MS degree or higher in computer science or a technical field
 - c. Extensive experience in protecting advanced networks from security breaches including work with FBI and CJIS-type security policies and requirements such as FIPS 140
 - d. Expert knowledge in implementing, configuring, and troubleshooting complex VPN configurations
 - e. Advanced understanding and knowledge of authentication and related network and systems secure access means and methods
 - f. Advanced knowledge of intrusion detection concepts and applications
 - g. Advanced ability to recognize and remediate network issues up to and including the server OS level (Linux or Windows)
 - h. Experience with, and knowledge of, specific security requirements of Massachusetts criminal justice agencies is highly desirable
5. Microwave Engineer
 - a. BE or equivalent
 - b. 3+ years experience building hybrid networks
 - c. Demonstrated ability to troubleshoot, track down, and replace failed hardware
 - d. Experience with modern microwave technologies, manufacturers, and suppliers
 - e. Specific experience with existing PSnet microwave backbone devices and support is highly desired
6. Microwave Technician
 - a. Expertise in supporting and maintaining microwave equipment including various manufacturer gear and software
 - b. Expertise in using network management and monitoring tools and applications for microwave equipment
 - c. General expertise with computer languages and operating systems
 - d. Experience with analyzing problems and finding errors in systems
 - e. Familiar with current microwave technology industry trends
 - f. Should possess good verbal as well as written communication skills and should be able to provide guidance on the telephone and email
7. IT Technician
 - a. Expertise in supporting and maintaining IT systems and software
 - b. Basic expertise in supporting basic LAN and WAN equipment
 - c. General expertise with computer languages and operating systems
 - d. Experience with analyzing problems and finding errors in systems
 - e. Familiar with current IT technology industry trends
 - f. Should possess good verbal as well as written communication skills and should be able to provide guidance on the telephone and email
8. Radio Technician
 - a. Expertise in supporting and maintaining LMR and other radio equipment
 - b. Particular expertise in Motorola radio equipment and software
 - c. General expertise with computer languages and operating systems
 - d. Experience with analyzing problems and finding errors in systems

- e. Familiar with current radio technology industry trends
- f. Should possess good verbal as well as written communication skills and should be able to provide guidance on the telephone and email

SECTION 6 – ACQUISITION METHOD TO BE USED FOR THIS CONTRACT

The acquisition method is fee-for-service. There are no hourly rates associated with this contract. The price of this contract is all-inclusive; no additional payments will be made for overtime or hours worked outside of normal business hours.

SECTION 7 – SUBCONTRACTOR(S)

The Contractor may employ subcontractors but any subcontractors shall first be approved by OEM and the PSNEC. The Contractor is responsible for the satisfactory performance and adequate oversight of its subcontractors. The Contractor and selected subcontractor(s), alike, must adhere to the City of Boston's CORI compliance guidelines and OEM's Non-Disclosure Agreement.

SECTION 8 – WARRANTY, CRITICAL SPARE PARTS AND TRAINING

Upon award and initiation of this contract, the selected Contractor will provide a list of recommended spare parts list to OEM, to include quantity and unit prices.

The Contractor will warrant all equipment, software and installation work for a minimum of one (1) year after system acceptance. Warranty shall include all parts, labor and travel necessary to return the equipment to its original working condition. The Contractor shall respond within two (2) hours of notification of a problem at any time (24x7x365). The Contractor is responsible to replace any spare parts used during the warranty period.

The Contractor will provide maintenance for the duration of the contract.

The Contractor will include the necessary training for MBHSR stakeholders to become proficient in the operation of the equipment. The Contractor shall explain the training program. This training will include pre-installation session to identify all the system features to be programmed

by the Contractor as well as the operator(s) and maintenance training after installation and acceptance.

If the Contractor fails to perform any of the actions as outlined in this Section 8, OEM reserves the right to withhold payment until such failures are remedied.

SECTION 9 – TOTAL ANTICIPATED DURATION OF CONTRACT AND RENEWAL OPTIONS

The contract will run for one year, with an option to renew for up to two more years contingent upon available funding and the procuring needs of the PSnet system. The option to renew is at the sole discretion of OEM and MBHSR.

SECTION 10 – SPECIAL PROCUREMENT AND CONTRACT CONDITIONS

Ownership of Equipment and Software

Equipment and software procured from a third party on behalf of the project by the Contractor, as part of Contract performance, is, and shall remain, the property of the OEM and the member MBHSR jurisdictions.

Ownership of Data

Data created or collected from a third party on behalf of the project by the Contractor, as part of the Contract performance, shall become the property of the OEM and the member MBHSR jurisdictions. Data provided to the Contractor by the MBHSR jurisdictions shall remain the property of those jurisdictions. The Contractor may **not** release or make use of such data without the written consent of OEM or the relevant MBHSR jurisdiction.

Project Manager

The Contractor must designate a specific individual to serve as the Project Manager. The Project Manager will be responsible for administering the contract and managing all day-to-day operations under the contract on behalf of the Contractor. The Contractor must notify OEM of any change in the name, address, telephone number, fax number, or e-mail address of the Project Manager. At its discretion, OEM may require that the Contractor remove the Project

Manager. OEM will require the Contractor to replace the Project Manager with an individual satisfactory to OEM. The Project Manager will be the principal point of contact with OEM.

OEM and PSNEC will designate one (1) of its employees to serve as the PSnet Project Manager, who will be responsible for administering the Contract and managing all day-to-day operations under the Contract on behalf of OEM. The OEM Project Manager, alone, is not authorized to amend the Contract. OEM will notify the Contractor Project Manager of any change in the name, address, telephone number, fax number, or e-mail address of the OEM Project Manager. The OEM Project Manager will be the principal point of contact with the Contractor.

Payments Rendered

The payment schedule for this project will be on a bi-weekly basis consistent with the Contractor's price proposal and as negotiated at the time a **fee-for-service**, fixed-price contract is signed. The Contractor must bill OEM by submitting an accurate invoice to OEM with attention to: the OEM Project Manager, Mayor's Office of Emergency Management, Boston City Hall, 1 City Hall Square, Boston, MA 02201. The invoices must describe the services and any deliverables provided during the invoice period. In no event shall payment be made in advance of the services provided, nor will additional payment be made for overtime or work performed outside of normal business hours.

Contractor Expenses

The Contractor will not be reimbursed for business expenses such as office supplies, travel, mailings, and meals. The Contractor may be reimbursed for certain travel expenses directed by and approved in advance by OEM. These out of the ordinary reimbursable travel expenses will be limited to airfare, car rental, and lodging, not to exceed the federal per diem for Boston. Mileage reimbursement rate is .45 cents. All travel expenses must be approved in advance and original receipts must be provided to OEM for reimbursement.

Subcontractor Reporting and Changes

Subcontractors may be used to perform work under the contract with OEM prior written approval. The Contractor must provide OEM with a copy of all contracts between the Contractor and its subcontractors. The substitution of one subcontractor for another may be made only with the prior written approval of OEM Project Manager. The Contractor will be and remain fully

responsible for the subcontractors' compliance with all terms, conditions, and specifications of the Contract. This responsibility also extends to the Contractor's obligations regarding warranties, maintenance, and support. To the extent that third-party providers are needed to provide software, infrastructure, or other consulting services to deliver the services, it is expected that the Contractor will serve as the prime contractor. In its capacity as the prime contractor, the Contractor shall manage the relationship with the subcontractors and assume all responsibility for the performance of the subcontractors and payment to such subcontractors. OEM must have the option to license or purchase software or hardware directly from third-party vendors, but this shall not reduce the Contractor's obligations as the prime contractor. The Contractor is required to immediately report to OEM any issues relating to subcontractors (i.e. performance problems or payment disputes) that could have a material impact upon the PSnet or OEM.

Access to Security-Sensitive Information

The Contractor will work with security-sensitive information which, pursuant to MGL c. 4, s. 7, cls. 26(n) is generally exempt from public disclosure under the Commonwealth's public records laws and must, for public safety purposes, be safeguarded from widespread public disclosure. This security-sensitive information is in the form of computer files, blueprints, plans, policies, procedures, and schematic drawings which relate to internal layout and structural elements, security measures, emergency preparedness, threat or vulnerability assessments, and/or any other records relating to the security or safety of persons (pursuant to M.G.L. c. 66A) or buildings, structures, facilities, utilities, transportation, information technology or other infrastructure located within the commonwealth.

The Contractor must sign a confidentiality agreement, thereby agreeing to:

- Restrict the use of these sensitive records for any other purpose than as authorized and for the purpose of putting together a bid proposal;
- Safeguard the information while it is in their possession; and
- Return such records and materials to the OEM upon completion of the project.

Indemnification

The Contractor shall indemnify, hold harmless and defend MBHSR, OEM and the Executive Office of Public Safety and Security, their officers, agents, and employees from all liability of any nature or kind, including costs and expenses for all actions or claims resulting from injuries or damages sustained by any person or property arising directly or indirectly as a result of any error, omission or negligent or wrongful acts of the Contractor, subcontractor or anyone directly or indirectly employed by them in performance of this contract.

Publicity and news releases

The selected contractor shall not make any pronouncements or news releases pertaining to this solicitation for proposals or the award of a contract for this proposal without prior written approval from OEM.

Acceptance

A schedule of deliverables will be included in the contract with the selected contractor. All interim deliverables will be provided to MBHSR at times agreed upon in the contract. MBHSR will have ten business days to either accept the deliverable or request modifications. Final project deliverables are also subject to these “acceptance” terms.

Rule for Award

The selection committee, with input from OEM, shall determine a composite rating of Highly Advantageous, Advantageous, Not Advantageous and Unacceptable for each proposal reviewed by the selection committee. After a composite rating has been determined for each proposal, MBHSR, or its designee, shall open and review the cost proposals and determine the most advantageous proposal taking into consideration the ratings on all comparative evaluation criteria and the cost. One or more finalists may be asked to come in for an interview.

All prices quoted shall be exclusive of Massachusetts sales tax and use tax and federal excise tax from which MBHSR is exempt.

OEM on behalf of MBHSR shall award the contract within ninety (90) days after the date established for receiving the proposals. All proposals shall remain valid and acceptable for 90

days from the last proposal due date. This time may be extended by mutual consent of selected proposers and MBHSR. Upon award, the engagement must commence within 10 days of receipt of a Notice of Award by the selected Contractor.

SECTION 11 – NON-PRICE TECHNICAL PROPOSAL PREPARATION, EVALUATION AND SELECTION

Preparation of Non-Price Technical Proposal

1. The proposal shall detail the firm's and individuals' qualifications, experience and expertise. Proposal evaluation will include an examination of the proposer's qualifications, experience, project action plan and expertise in conducting similar work.
 - a. Proposer shall provide a brief history of their firm, organization or relevant professional experience;
 - b. Proposer shall list the number of current personnel that it employs specifying whether full time or part-time;
 - c. Proposer shall detail the firm's or their own experience with similar projects completed during the past three (3) years or more;
 - d. If proposer is not an individual, the proposer must submit an audited financial statement for the most recent financial year, or another form of documentation that affirms the financial stability of the proposer's organization.
 - e. Proposer shall provide a list of specific qualifications the proposer has in supplying the services listed in this proposal, including professional designations affiliations, certifications and/or licenses;
 - f. Proposer shall submit the names and resumes and level of participation of staff that will be assigned to this engagement, listed under the titles in the personnel qualifications in Section 5b, and their respective experience in these types of engagements;
 - g. Proposer shall provide a list of a minimum of three (3) references from current and/or former clients for projects of similar size and scope. List shall include current contact information including client contact name, agency, address and phone number.

2. The proposal must confirm proposer's understanding of the RFP. The narrative portion and the materials presented in response to this RFP must contain the following information:
 - a. A clear outline of the recommended approach to the project. Proposer shall provide a proposed plan for performing the overall work, including:

- i. The work activities the proposer plans to carry out
 - ii. A description of how such activities will be accomplished
 - b. Identify tasks that the proposer will undertake as distinguished from those which are the responsibility of others such as government entities and their employees. Absence of this distinction shall mean proposer is fully assuming responsibility for all tasks.
 - c. Explain how the proposer's administrative process will ensure that appropriate levels of attention are given and that the work is properly performed.
 - d. Proposer shall submit two samples of its most relevant and recent work product.
 - e. Proposer shall affirm financial stability of proposer's firm or organization.
3. General proposal elements:
 - a. All proposals must contain the signed Proposal Signature Page, the Certifications, the Proposal Checklist, and the Price Proposal Pages as provided in this RFP,
 - b. The proposal document must be submitted with an original ink signature by the person authorized to sign the proposal.
 - c. Erasures, interlineations or other modifications in the proposal shall be initialed in original ink by the authorized person signing the offer.
 - d. Periods of time, stated as a number of days, shall be calendar days unless otherwise indicated.
 - e. It is the responsibility of all proposers to examine the entire RFP packet and seek clarification of any item or requirement that may not be clear or any potential inconsistencies and to check all responses for accuracy before submitting a proposal. Negligence in preparing an offer confers no right of withdrawal after due time and date.
 - f. If mailing, submit one unbound original and one electronic copy (thumb drive) of the non-price proposal. Submit one original of the price proposal and one electronic copy (thumb drive) in a separate and sealed envelope.
 - g. Faxed pages will not be considered.

RFP Evaluation Criteria

Proposals will be rated in the following categories as one of the following: Highly Advantageous, Advantageous, Not Advantageous, or Unacceptable. The selection committee reserves the right to interview only those vendors which are otherwise highly advantageous or advantageous.

1. Vendor Qualifications

Highly Advantageous	<ul style="list-style-type: none"> • Demonstrates significant and strong technical experience in internetworking and enterprise-wide network and data infrastructure systems; • Demonstrates significant and strong technical experience in public safety internetworking, wide-area, and local networks; • Demonstrates a track record of success in managing complex projects of similar size and scope, meeting deadlines and budget; and • Demonstrates extensive experience (5+ years) in working with key public safety stakeholders.
Advantageous	<ul style="list-style-type: none"> • Demonstrates technical experience in internetworking and enterprise-wide network and data infrastructure systems; • Demonstrates experience in public safety network and data infrastructure systems; • Demonstrates a track record of success in completing projects within their allotted timeframe and budget; and • Demonstrates general experience (2- 4 years) working with key public safety stakeholders.
Not Advantageous	<ul style="list-style-type: none"> • Demonstrates limited experience in public safety network and data infrastructure systems; • Demonstrates a limited track record of success in completing projects within their allotted timeframe and budget; and • Demonstrates limited experience (less than 2 years) working with public safety stakeholders.
Unacceptable	<ul style="list-style-type: none"> • Does not demonstrate minimum levels of expertise and experience.

2. Vendor's Approach to the Project

Highly Advantageous	<ul style="list-style-type: none"> • Clearly and comprehensively articulates an understanding of the complex project in the response; • Addresses an approach to the defined tasks in a credible and sensible way; • Demonstrates a mastery and understanding of the process necessary to complete tasks and project demands; and • Optionally identifies sensible changes to the Scope of Services/Tasks to address missing activities that should be conducted.
Advantageous	<ul style="list-style-type: none"> • Articulates a general understanding of the complex project in the response; • Is credible in addressing the tasks' specific requirements; • Demonstrates an understanding of the process necessary to complete tasks and project demands; and • Optionally identifies sensible changes to the Scope of

	Services/Tasks to address missing activities that should be conducted.
Not Advantageous	<ul style="list-style-type: none"> Does not demonstrate a clear understanding of the project; Addresses some of the tasks' specific requirements; and Demonstrates a less than complete understanding of the process necessary to complete tasks and project demands.
Unacceptable	<ul style="list-style-type: none"> Does not demonstrate project and task understanding and a project timetable approach that would be successful.

3. Vendor's Staffing Qualifications and Plan

Highly Advantageous	<ul style="list-style-type: none"> Completely meets or exceeds the positional qualifications for every title listed in the personnel qualifications including the desirable qualifications; Provides detailed resumes for all key personnel, including the Project Manager, with relevant and specific experience clearly described; Clearly shows that project personnel have worked together as a team previously on tasks or projects with similar requirements; and Provides explicit information about the technical educational background and credentials of personnel.
Advantageous	<ul style="list-style-type: none"> Mostly meets the positional qualifications for every title listed in the personnel qualifications including the desirable qualifications; Provides resumes for all key personnel, including the Project Manager, with relevant and specific experience clearly described; Clearly shows that project personnel have worked together; & Provides information about the technical educational background and credentials of personnel.
Not Advantageous	<ul style="list-style-type: none"> Doesn't meet some of the positional qualifications for the titles listed in the personnel qualifications; Provides many resumes for key personnel; and Doesn't show that project personnel have worked together;
Unacceptable	<ul style="list-style-type: none"> Does not demonstrate that personnel qualifications are adequate.

4. Vendor's Communications Skills

Highly Advantageous	<ul style="list-style-type: none"> Proposal clearly and comprehensively discusses and explains PSnet project-related technical information in a way that is easily understood; and Proposal clearly and comprehensively demonstrates an understanding of how this project can be successful in the Metro Boston public safety arena.
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Advantageous	<ul style="list-style-type: none"> • Proposal discusses and explains PSnet project-related technical information in a way that is understood; and • Proposal mostly demonstrates an understanding of how this project can be successful in the Metro Boston public safety arena.
Not Advantageous	<ul style="list-style-type: none"> • Proposal somewhat unclear in its discussion and explanation of PSnet project-related technical information; and • Proposal does not clearly demonstrate an understanding of how this project can be successful in the Metro Boston public safety arena.
Unacceptable	<ul style="list-style-type: none"> • Proposal unclear in its discussion and explanation of PSnet project-related technical information; and • Proposal does not demonstrate an understanding of how this project can be successful in the Metro Boston public safety arena.

5. If interviewed, the Quality of Interview

Highly Advantageous	<ul style="list-style-type: none"> • Key personnel on the project team, including both the lead technical person as well as the Project Manager, attended the interview and each thoroughly demonstrated their technical and project-related skills and expertise and comprehensively communicated a thorough knowledge of the services required.
Advantageous	<ul style="list-style-type: none"> • Key personnel assigned to the project team attended the interview and demonstrated good technical expertise and knowledge of the services required.
Not Advantageous	<ul style="list-style-type: none"> • Project team members assigned to the project communicated some knowledge of the services require.
Unacceptable	<ul style="list-style-type: none"> • Interview did not demonstrate consultant would be successful in the project.

6. If references are checked, the Quality of References

Highly Advantageous	<ul style="list-style-type: none"> • References show that the firm and the identified personnel of the project team have positively and successfully completed similar, relevant projects on time and on budget.
Advantageous	<ul style="list-style-type: none"> • References show that the firm and/or some project team members have experience with similar projects and generally meet deadlines on time and on budget.
Not Advantageous	<ul style="list-style-type: none"> • References demonstrate that the firm or team members have limited relevant experience and/or do not have a track record of completing projects on time and on budget.
Unacceptable	<ul style="list-style-type: none"> • Does not indicate key team members have been successful in relevant project.

Section 12 - RFP Process Timeline*

RFP Advertised in Good and Services, <i>City Record</i> , & COMMBUYS	April 9, 2018
RFP available on Supplier Portal beginning 12:00pm	April 9, 2018
Deadline for questions via email to Sarah Plowman no later than	April 23, 2018
Response to final questions posted	April 25, 2018
Proposal Due Date 12:00pm	April 30, 2018
Selection Committee reviews proposals	Week of April 30, 2018
Vendor or finalist for interviews (if necessary)	Week of May 7, 2018
Contract Awarded	No later than 90 days after selection
Contract Ends	June 30, 2019

*If in the best interest of OEM and MBHSR, the OEM may extend the times set forth in this timeline.

PROPOSAL SIGNATURE PAGE

Complete this page and return as a cover sheet for the completed non-price proposal.

Metro Boston Homeland Security Region PSNET 3

Company Name

Contact Person

Street

Phone

City, State, Zip

Fax

Email

Submits the attached proposal for this Request for Proposals to the Mayor's Office of Emergency Management (OEM), acting on behalf of the Metro Boston Homeland Security Region, on the authority of the undersigned and as dated below. I confirm and pledge to abide by and be held to the requirements of this RFP and its resulting contract, to perform any tasks and deliver any documents required, and to execute a Contract with the OEM.

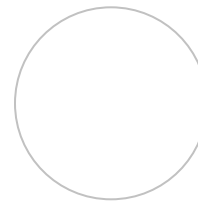
Authorized Agent of the Proposer:

Signature (blue ink please)

Printed Name

Title

Date



(If a corporation attach
certificate of vote or
apply corporate seal here)

Proposal must be signed by a duly authorized officer(s) eligible to sign contract documents for the firm. Consortiums, joint ventures, or teams submitting proposals will not be considered responsive unless it is established that all contractual responsibility rests solely with one contractor or one legal entity. The Proposal must indicate the responsible entity. Proposer should be aware that joint responsibility and liability will attach to any resulting contract and failure of one party in a joint venture to perform will not relieve the other party or parties of total responsibility for performance.

CERTIFICATIONS PAGE

Complete this page and return with completed non-price proposal.

Metro Boston Homeland Security Region PSNET 3

As required under Chapter 233 and 701 of the Mass. Acts and Resolves of 1983 and Chapter 30B of the Mass. General Laws certification must be made to the following by signing in the space indicated below. Failure to offer such signature will result in rejection of the proposal.

- A. "The undersigned certifies under penalties of perjury that this proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word person shall mean any natural person, business, partnership, corporation, union, committee, club or other organization, entity, or group or individuals" and also,"

- B. "Pursuant to M.G.L. c.62C, §49A, I certify under the penalties of perjury that to my best knowledge and belief the undersigned has complied with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support."

Authorized Agent of the Proposer:

Signature (blue ink please)

Name(as used for tax filing)

Printed Name

SS# or Federal ID#

Title

Date

Proposal must be signed by a duly authorized officer(s) eligible to sign contract documents for the firm. Consortiums, joint ventures, or teams submitting proposals will not be considered responsive unless it is established that all contractual responsibility rests solely with one contractor or one legal entity. The Proposal must indicate the responsible entity. Proposers should be aware that joint responsibility and liability will attach to any resulting contract and failure of one party in a joint venture to perform will not relieve the other party or parties of total responsibility for performance.

ADDITIONAL CERTIFICATIONS PAGE

Complete this page and return with completed non-price proposal.

Metro Boston Homeland Security Region PSNET 3

Pursuant to 28 CFR Part 42.204 (d), I certify that my employment practices comply with Equal Opportunity Requirements and complies with 28 CFR Part 42.202.; that my organization complies with the Americans with Disabilities Act.

Authorized Agent of the Proposer:

Signature (blue ink please)

Printed Name

Title

Date

Proposal must be signed by a duly authorized officer(s) eligible to sign contract documents for the firm. Consortiums, joint ventures, or teams submitting proposals will not be considered responsive unless it is established that all contractual responsibility rests solely with one contractor or one legal entity. The Proposal must indicate the responsible entity.

Proposers should be aware that joint responsibility and liability will attach to any resulting contract and failure of one party in a joint venture to perform will not relieve the other party or parties of total responsibility for performance.

PRICE PROPOSAL PAGE

Complete these pages and submit with any attachments in a separate sealed envelope from the non-price proposal.

Metro Boston Homeland Security Region PSNET 3

A. Instructions

The undersigned proposes to provide services to the Metro Boston Homeland Security Region in accordance with the response to its Request for Proposals (RFP). This is a fee-for-service contract.

For Section B, please submit a quote that encompasses all services, as defined in Sections 3 and 4, for the complete one-year duration of this contract. List all costs associated with your proposed deliverables.

Additionally, in Section C, assent that you will be providing the equipment procurement service and fill out one of the markup choices.

Please note:

- The total cost that is quoted in this proposal will be considered a best and final offer. You will bear the onus of any errors made in pricing the services (e.g., omitting a component of the services).
- Any taxes due will be assumed to be included in your price of services. The City of Boston is exempt from federal excise taxes (Federal Exemption No. A-108-328) and from Massachusetts sales and use taxes (Certificate No. E-046-001-380). Exemption certificates will be provided, if requested, following award.
- OEM reserves the right to contract with multiple entities to obtain the services it requires.
- The contract will be for one year with OEM's sole option to extend for a second and/or third year.

B. PSnet One-Year Price Proposal for All Services

As stated above in Section A, please review RFP Sections 3 and 4 and provide a quote that encompasses all services as defined in the Scope of Work and Project Requirements.

Payment schedule will be as follows:

- Payments will be made bi-weekly upon receipt of an invoice for deliverables and services performed during the two weeks prior.
- Total project cost will be divided into twenty-six (26) equal bi-weekly payments. No additional payments will be made for overtime or work performed outside of normal business hours.
- Additional separate invoicing should be submitted for network equipment and software procurement purchases, as needed.

C. Network Equipment and Software Procurement Service

As stated in Sections 3 and 4 of the RFP, the contractor will – under the direction of the PSnet Technical Committee – specify, order, receive, inspect, configure/provision, and install certain devices and software for the PSnet network and project activities.

The Contractor will act on behalf of OEM/MBHSR and will procure from purchasing contracts available to OEM/MBHSR (e.g., Mass. State contract, city contract, cooperative agreements, GSA, etc.).

OEM/MBHSR and the Contractor will sign a Mass DOR Contractor’s Sales Tax Exempt Purchase Certificate (Form ST-5C) which will permit purchases made by the Contractor on behalf of OEM/MBHSR to be exempt from sales tax.

Procurements will be made at best government prices.

OEM/MBHSR reserves the right to direct the purchase of up to a maximum of \$500,000 in equipment and software. However, any amount up to the maximum may be directed for purchase, including \$0.

The contractor will be reimbursed for authorized purchases including shipping by the government contracted manufacturer or reseller to an approved location.

Please indicate by initialing one – and only one – markup price (price above the government price) below to indicate what the proposed markup will be, if any. The markup price will be considered a factor of the Price Proposal.

Markup of 0% _____

Markup of 2% _____

Markup of 4% _____

Price Proposal Signature Page

Signature (blue ink please)

Printed Name

Title

Date

Company Name

Email

Street

Phone

City, State, Zip

Fax

STANDARD CONTRACT AND FORMS

Overview

You must submit a signed copy of the forms indicated below. These forms are posted at www.boston.gov/procurement within the Event EV00005292. Additionally, please review the Terms and Conditions in the CM11 and the associated supplement; they will be incorporated at contract award without revision.

Form CM06 – Certificate of Authority: SIGNED COPY REQUIRED

Form CM09 – Contractor Certification: SIGNED COPY REQUIRED

Form CM10 – Standard Contract Document

Form CM11 – Standard Contract General Conditions

CM Forms 15A/B – CORI Compliance, Standards: SIGNED COPY REQUIRED

CM Form 15C – CORI Waiver

Form LW1 – Requirements Of The Boston Jobs and Living Wage Ordinance

Form LW2 – Living Wage Agreement: SIGNED COPY REQUIRED

Form LW8 – Vendors Living Wage Affidavit: SIGNED COPY REQUIRED

Form CM16 – Wage Theft: SIGNED COPY REQUIRED

PROPOSAL CHECKLIST

Proposals must be submitted in a sealed envelope with the RFP Title and the proposer's name and address clearly indicated on the envelopes. **It is mandatory that price proposals and non-price proposals be submitted separately.** Failure to submit separate proposals will result in rejection of the proposal. Included for the proposer's information is the City of Boston/County of Suffolk Standard Contract General Conditions (FORM CM 11); please review all terms and conditions.

Non-Price Proposal Envelope

- Proposal Signature Page (provided)
- Contractor Certifications (provided)
- If mailing, please submit one original and one electronic (thumb drive) of non-price proposal in a sealed envelope marked in the lower left corner with the words: "PSNET 3– Non-Price Proposal" and proposer name
- Form CM06 – Certificate of Authority: SIGNED COPY REQUIRED
- Form CM09 – Contractor Certification: SIGNED COPY REQUIRED
- CM Forms 15A/B – CORI Compliance, Standards: SIGNED COPY REQUIRED
- Form LW2 – Living Wage Agreement: SIGNED COPY REQUIRED
- Form LW8 – Vendors Living Wage Affidavit: SIGNED COPY REQUIRED
- Form CM16 – Wage Theft: SIGNED COPY REQUIRED

Price Proposal Envelope

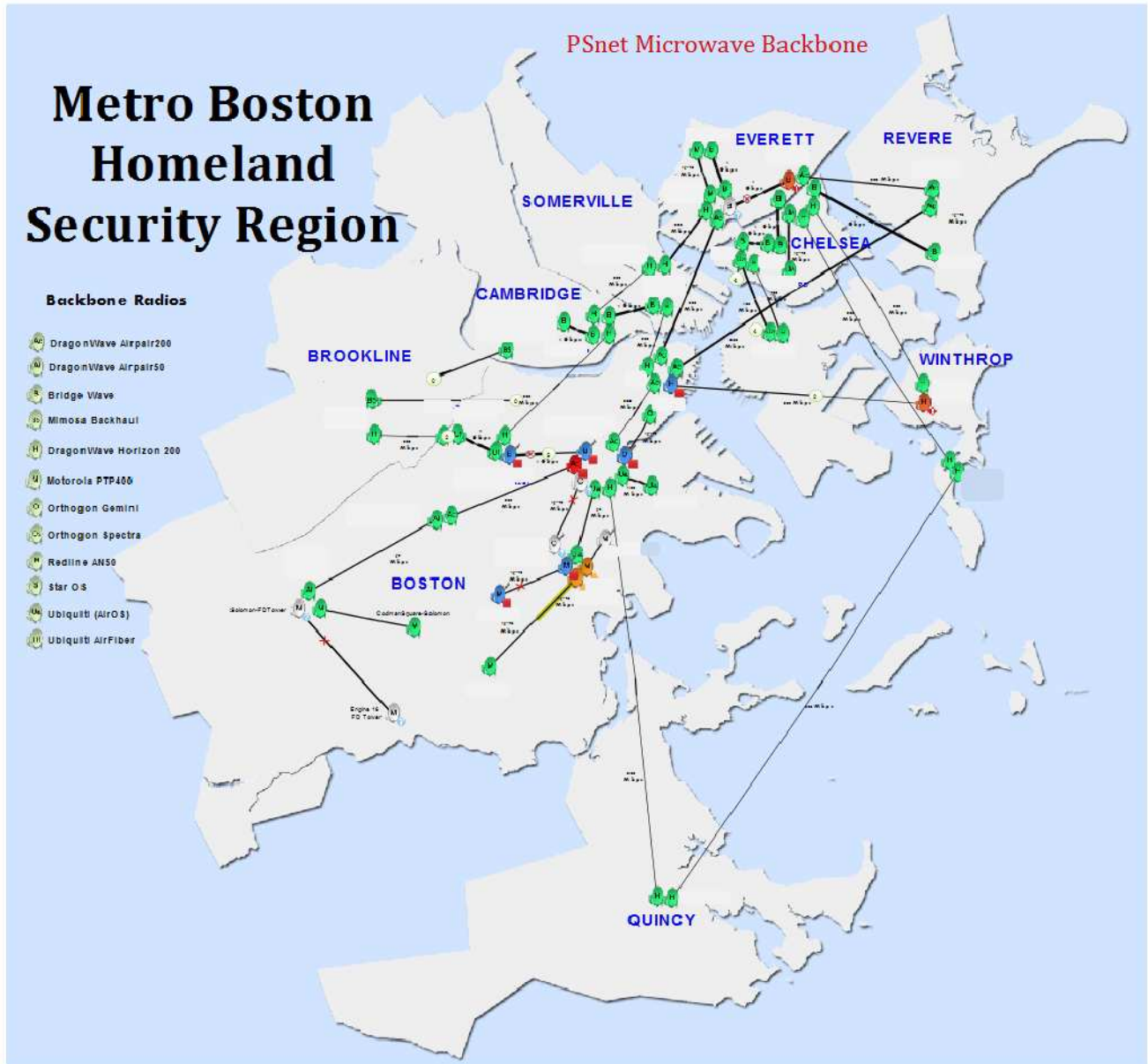
- Price Proposal Page (provided)
- Detail of deliverables and payment schedule
- Detail of pay rates and estimated hours
- If mailing, please submit one price proposal and one electronic copy (thumb drive) in a sealed envelope marked in the lower left corner with the words: "PSNET 3– Price Proposal" and proposer name

Signature (blue ink)

APPENDIX A

Scope of Current PSnet Microwave Deployment (approximate)

PSnet Microwave Backbone (Intermapper snapshot as of 2/27/2018)



APPENDIX B

PSnet Network Equipment for Monitoring (approximate list of equipment types, as of March 9, 2018)

Datacenter

HP IC
HP 3PAR
HP 6125G-XG
HP IC
HP iLO
HP OA
VMware

Firewall

Netscreen VPN

Microwave

BridgeWave
Cambium PTP300
Cambium PTP600
Dragonwave AirPair
Dragonwave AirPair200
Dragonwave AirPairFlex
DragonWave Horizon 200
MikroTik SXT
Mimosa B5
Motorola PTP300
Motorola PTP400
Motorola PTP500
Orthogon Gemini
Radwin rw2000
Ubiquiti AirFiber 24
Ubiquiti airMAX

Power

APC UPS
Liebert UPS - GXT3
TrippLite PDU
TrippLite UPS

Radio Trunking

Adtran Atlas 550
Barix A100
Barix A60
RAD IPmux-14
RAD IPmux-1e
RAD IPmux-24
RAD IPmux-8

Remote Device Mgt

Avocent (Cyclades) ACSxx
Avocent ACS6000
Serial Console Server

Router

MikroTik
Router

Switch

CiscoSwitch
HP ProCurve
Juniper SSG

VM

Host Resources
InterMapper