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| FORM N: PROPONENT PROPOSALWFPS Station Alerting REQUIREMENTS |
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| Instructions for filling out Form N: Proponent Proposal - Requirements1. Complete Form N: Proponent Proposal
2. Follow the proposal instructions in the Proposal Instructions section below
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| **PROPOSAL INSTRUCTIONS**1. **For each Mandatory requirement, provide a Y (Yes) or N (No), indicating whether your solution can meet the requirement**. Y indicates that the solution you are proposing will meet the requirements listed in the requirement statement. N indicates that the solution you are proposing will not meet the requirements.
2. **For each Non-Mandatory and Desired requirement (except where indicated N/A via grey shading), indicate which Proponent response code that best describes your solution:**

**Y – Available Out of the Box:** the solution for the requirement is currently available in the existing product “out of the box”. Configuration may be required to enable the feature (requirement will be met through changes to settings of tables, switches, and rules without modification to the source code). Requirement is installed and operational at other sites and can be demonstrated to the City of Winnipeg.**C – Available via Customization:** the solution for the requirement is not currently available in the existing product “out of the box”, but may be incorporated via customization of the solution components. Requirement will be met through changes to the source code which would require analysis and re-application during updates, upgrades, or when applying software patches.**F – Future Availability:** the solution for the requirement is not currently available, but will be available in an upcoming planned product release. If this option is indicated, include the date/timeframe when the requirement will be available for implementation, which should be either:1. A planned release up to 3 calendar months after the RFQ 205-2016 competition close date, where an additional Proponent response code of **3** should be provided;
2. A planned release up to 6 calendar months after the RFQ 205-2016 competition close date, where an additional Proponent response code of **6** should be provided, or
3. A planned release up to 12 calendar months or longer after the RFQ 205-2016 competition close date, where an additional Proponent response code of **12** should be provided.

**3 – Third Party Supplied:** the solution for the requirement is expected to be met by using a third party vendor’s existing integrated product. **N – Not Possible:** the solution for the requirement will not be provided by the Proponent.**Notes:**1. An omitted response will be assumed to be the same as a response code of “N”.
2. Any deviation from the response code will be re-coded at the discretion of the City of Winnipeg.
3. This Form N document lists the requirements ordered by requirement category (Mandatory, Non-Mandatory or Desired). The accompanying document titled “WFPS Station Alerting Requirements by Function” is provided to allow the Proponents to view the requirements ordered by function (and original numbering).
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| 1. **Mandatory Requirements**
 | **Proponent Response (Y, N)** |
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| **Requirement Description** | **Requirement****Info** | **Requirement Category** | **RFQ** **Requirement Ref#** |  |
| The alerting system shall be designed specifically for use as a station alerting system |   | General | A1.1 |  |
| The system must comply with all requirements as outlined in NFPA 122A1. |   | General | A1.2 |  |
| The vendor must be able to provide a list of the CAD systems that the alerting system has been interfaced to on other client sites |   | General | A1.5 |  |
| Traffic shall be passed from the CAD over the alerting system to the stations via an IP network |   | General | A1.6 |  |
| The alerting system shall allow for secondary communication paths including (but not limited to) cellular communication or data radio communication |   | General | A1.7 |  |
| The alerting system must provide a method for notifying the dispatcher of the success/failure of the system to complete the alert |   | General | A1.10 |  |
| The alerting system interface to the CAD system shall support dispatch alerts and non-emergency alerts |   | General | A1.12 |  |
| The alerting system must be capable of alerting by unit |   | General | A1.15 |  |
| The system must allow the system administrator to configure the alert components | Tones | General | A1.25.1 |  |
| The system must allow the system administrator to configure the alert components | Announcement speed (if voice announcement is optioned) | General | A1.25.2 |  |
| The system must allow the system administrator to configure the alert components | Announcement data (if voice announcement is optioned) | General | A1.25.3 |  |
| The system must allow the system administrator to configure the alert components | Order of Announcement (if voice announcement is optioned) | General | A1.25.4 |  |
| The system must allow the system administrator to configure the alert components | Style of numerical announcement (2-1-2-1 versus 21-21) | General | A1.25.5 |  |
| The system must allow the system administrator to configure the alert components | Style of alpha-character announcement (A versus Alpha, B versus Bravo) | General | A1.25.6 |  |
| If automated voice announcement is optioned, the announcement must include detailed dispatch information. | Address/Location information | General | A1.26.1 |  |
| If automated voice announcement is optioned, the announcement must include detailed dispatch information. | Unit announcement | General | A1.26.2 |  |
| If automated voice announcement is optioned, the announcement must include detailed dispatch information. | Response priority | General | A1.26.3 |  |
| If automated voice announcement is optioned, the announcement must include detailed dispatch information. | Operational Radio channel (TAC) | General | A1.26.4 |  |
| If automated voice announcement is optioned, the announcement must include detailed dispatch information. | Map grid information | General | A1.26.5 |  |
| If automated voice announcement is optioned, the announcement must include detailed dispatch information. | Event type | General | A1.26.6 |  |
| If automated voice announcement is optioned, the announcement must include detailed dispatch information. | Common Place Name | General | A1.26.7 |  |
| If automated voice announcement is optioned, the announcement must include detailed dispatch information. | Cross Street | General | A1.26.8 |  |
| The system must allow the dispatcher to 'step' over any automated voice should that become necessary for any reason. | If announcement is playing, dispatcher must be able to interrupt the audio to make alternate or updated announcement. | General | A1.29.1 |  |
| The system must allow the dispatcher to 'step' over any automated voice should that become necessary for any reason. | Dispatcher must be able to interrupt the audio on a station by station basis if required. | General | A1.29.2 |  |
| The system must provide the ability to have 'escalating or 'ramping' audible tones |   | General | A1.32 |  |
| Automated voice announcement must commence immediately following the completion of the tones. |   | General | A1.33 |  |
| The system must include a method for interfacing with the WFPS radio system for both system redundancy and on-air dispatching |   | General | A1.36 |  |
| The interface with the radio system must be able to detect traffic on the channel and buffer the data until the channel is clear. |   | General | A1.37 |  |
| The system must have the ability to announce different incidents at different stations simultaneously. In cases where two or more units in the same station are dispatched to different incidents at the same time, the system should 'stack' the incidents and play them one after the other. |   | General | A1.38 |  |
| The system must allow for the integration of reader boards which can be configured to visually display dispatch information in real time |   | General | A1.41 |  |
| If a second dispatch is received while the first dispatch is still being displayed, the new dispatch information must replace the initial dispatch information on the reader board. |   | General | A1.46 |  |
| The system must allow for reader boards to be set up based on the zones within the station | If the station has more than one zone, the system must allow reader boards to be set up and operate for each zone. | General | A1.49.1 |  |
| The system must allow for the integration of turn out timers which can be configured to begin counting either at the beginning or end of an alert by the system administrator | Turn out timers must count up from 0 in 1 second increments | General | A1.50.1 |  |
| If a second dispatch is received while the first dispatch is still turning out, the new turn out timer must reset and start counting from 0 |   | General | A1.53 |  |
| Agency currently, ~700 events per day, plan for ~1200 events per day (split between IFT & Emergency Fire & EMS Dispatch) | System must be capable of managing 1100+ events per day | Technical | A2.1.1 |  |
| The system shall be centrally managed and the IT personnel, Communications Operators shall have full control and access to the system at all times. |   | Technical | A2.6 |  |
| Each component within the system shall be monitored at all times and the status of online and/or offline will be updated in real time. |   | Technical | A2.8 |  |
| The system must operate on industry standard operating system | Microsoft Windows 8.1 or higher | Technical | A2.12.1 |  |
| Vendor must support/work with standard vendors for various interfaces including CAD and PeopleSoft solutions |   | Corporate | A3.2 |  |
| Vendor must offer annual maintenance packages |   | Corporate | A3.3 |  |
| Vendor must provide a warranty for the product/solution |   | Corporate | A3.4 |  |
| The vendor must be able to provide a process for system upgrades |   | Corporate | A3.17 |  |
| The vendor must provide software configuration training to identified super users |   | Corporate | A3.19 |  |
| Vendor must provide 7/24/365 support | The vendor must provide an agreed service level agreement | Corporate | A3.22.1 |  |
| Vendor must provide 7/24/365 support | The vendor must provide a response within a certain time frame to calls for assistance | Corporate | A3.22.2 |  |
| Vendor must provide 7/24/365 support | The response time must be based on the priority of the request | Corporate | A3.22.3 |  |
| Vendor is currently installed with a number of users and anticipated call volume  | Refer to the Assumptions worksheet for details | Corporate | A3.26 |  |
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| **B. Non-Mandatory Requirements** | **Proponent Response (Y, C, F, 3, N)** |
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| **Requirement Description** | **Requirement****Info** | **Requirement Category** | **RFQ** **Requirement Ref#** |  |
| The contractor should ensure that all components of the system are supported by an uninterruptible power supply. |   | General | A1.03 |  |
| The alerting system should allow for failover capabilities in the event that the primary alerting server is down |   | General | A1.08 |  |
| The alerting system should allow for multiple connections from the CAD system for failover capabilities in the event that the primary CAD server is down |   | General | A1.09 |  |
| The alerting system should provide a visual indication to dispatchers and technical support staff that the system and its components are in operating condition. |   | General | A1.11 |  |
| The alerting system should be capable of alerting by station |   | General | A1.13 |  |
| The alerting system should be capable of alerting by group |   | General | A1.14 |  |
| The alerting system should be capable of alerting multiple units assigned to an incident but responding in different modes  | When multiple units are dispatched to an incident and 1 unit responds emergency while other units respond routine. | General | A1.16.1 |  |
| The system should be designed in a network-friendly manner with data packets being (on average) no larger than 30 - 60 kb. |   | General | A1.17 |  |
| The alert should begin no more than 2 seconds after the system receives the dispatch information from the CAD system |   | General | A1.18 |  |
| There should be a method for the dispatchers to manually alert units, stations and groups in the event that the CAD system is not available. | Can manually open the PA in each station or a group of stations and make an announcement | General | A1.19.1 |  |
| The alerting system should have its own internal audio amplifiers with full remote volume control capability. |   | General | A1.2 |  |
| The system should be compatible with commercially available P.A. amplifiers. |   | General | A1.21 |  |
| The system should provide the ability to control (at each station) audible tones, lighting, relay activation as required (i.e. open/close bay doors) |   | General | A1.22 |  |
| The system should allow for alerting via SMTP or ESMTP which can be directed at the system administrations discretion to a paging or smart phone system to deliver either a page or SMS as required |   | General | A1.23 |  |
| The system should allow for zone alerting within each station so that units in one area of the station can be alerted without disturbing units in another area of the station |   | General | A1.24 |  |
| If automated voice announcement is optioned, the system should have the ability to alert the unit to contact dispatch for any information the system is unable to announce. |   | General | A1.27 |  |
| The system should allow the system administrator to create different announcement configurations based on a multitude of criteria. | EMS units | General | A1.28.1 |  |
| The system should allow the system administrator to create different announcement configurations based on a multitude of criteria. | Fire Units | General | A1.28.2 |  |
| The system should allow the system administrator to create different announcement configurations based on a multitude of criteria. | In station | General | A1.28.3 |  |
| The system should allow the system administrator to create different announcement configurations based on a multitude of criteria. | Out of station (on air) | General | A1.28.4 |  |
| The system should provide the users in each station with the ability to determine whether they want to hear alerts for only their zone, their station or for all units in all stations and/or groups |   | General | A1.30 |  |
| The system should allow the system administrator to configure different tones to be played based on a multitude of criteria. | Unit type | General | A1.31.1 |  |
| The system should allow the system administrator to configure different tones to be played based on a multitude of criteria. | Event type | General | A1.31.2 |  |
| The system should allow the system administrator to configure different tones to be played based on a multitude of criteria. | Response type (emergency versus routine) | General | A1.31.3 |  |
| The system should only play unit-specific tones in the stations that those units are being dispatched from. | If an engine is being dispatched from station 1 and the pump is being dispatched to the same incident from station 2, only the engine tone will play in station 1 and only the pump tone will play in station 2. | General | A1.34.1 |  |
| The system should only play each unit-specific tone 1x regardless as to how many of that unit type are being dispatched to the incident. | If three engines are dispatched from the same station to the same incident, the engine tone should only play once. The length of the tone should be no different than if only one engine were dispatched. | General | A1.35.1 |  |
| If announcement is in progress and network connectivity is lost, the system should be capable of completing the announcement without interruption. |   | General | A1.39 |  |
| The system administrator should be able to configure the data displayed on the reader board | Speed of data scrolling | General | A1.42.1 |  |
| The system administrator should be able to configure the data displayed on the reader board | Information displayed | General | A1.42.2 |  |
| The system administrator should be able to configure the data displayed on the reader board | Order of information displayed | General | A1.42.3 |  |
| The system administrator should be able to configure the data displayed on the reader board | Colour of units based on status | General | A1.42.4 |  |
| The system should allow for multiple reader boards within one station which can be placed in various locations | Vendor should indicate any limitations to the number, size of the reader board | General | A1.43.1 |  |
| The reader board should continuously scroll the dispatch information for a pre-defined amount of time (configurable by the system administrator) |   | General | A1.44 |  |
| When no dispatch information is being displayed, the units assigned to the station should be displayed and their current status should be indicated. |   | General | A1.45 |  |
| There should be no limit to the distance a reader board can be placed from the main station controller unit for the alerting system |   | General | A1.47 |  |
| The system should allow for multiple turn out timers within one station which can be placed throughout the station. | Vendor should indicate any limitations to the number, size of the turn out timers | General | A1.51.1 |  |
| Once all units in the station 'turn out' (hit a pre-designated status), the turn out timer should reset until the next dispatch is received through the alerting system. |   | General | A1.52 |  |
| There should be no limit to the distance a timer can be placed from the main station controller unit for the alerting system |   | General | A1.54 |  |
| The alerting system should allow for the integration of 'soft lights' which will provide illumination but not have a visual impact to building occupants at night. | LED red lights which can be added to the dormitory ceilings | General | A1.57.1 |  |
| The alerting system should allow for the integration of 'soft lights' which will provide illumination but not have a visual impact to building occupants at night. | Light ramping in main part of station such as kitchen and hallways | General | A1.57.2 |  |
| The system should allow for the integration of light bars which can be configured to visually display unit status information | The light bars (unit indicators) should include no less than 5 colours | General | A1.59.1 |  |
| The system should allow for the integration of light bars which can be configured to visually display unit status information | Vendor should indicate any limitations to the number and placement of the light bars | General | A1.59.2 |  |
| The system should track all actions taken by a user in the system. |   | Technical | A2.2 |  |
| The system should operate on a standard industry-recognized operating system |   | Technical | A2.3 |  |
| The system database should be on a standard industry-based database |   | Technical | A2.4 |  |
| The vendor should allow for annual upgrades of OS and DB |   | Technical | A2.5 |  |
| System updates will be managed from a central location and IT personnel should have the ability to push any updates out to each station via network connection |   | Technical | A2.7 |  |
| The alerting system should be capable of notifying support staff of critical events that occur within the system via visual notification, email, pager and/or text message. |   | Technical | A2.9 |  |
| Error and status logs should be generated for all traffic from the CAD system to the alerting system and, if exists, between the alerting system server and stations. |   | Technical | A2.10 |  |
| Remote system monitoring and connectivity which may reside on the customer network should be supported. |   | Technical | A2.11 |  |
| The vendor should provide a complete system architecture diagram which includes wiring diagrams, database schema etc. |   | Technical | A2.13 |  |
| The vendor should provide application health status alerts to facilitate system monitoring |   | Technical | A2.14 |  |
| The vendor should provide the database dictionary |   | Technical | A2.15 |  |
| The vendor should provide detailed system administration documentation |   | Technical | A2.16 |  |
| The vendor should provide system administration training |   | Technical | A2.17 |  |
| The vendor should provide functional documentation |   | Technical | A2.18 |  |
| The vendor should provide functional test plans and test scripts |   | Technical | A2.19 |  |
| The vendor should provide load test scripts |   | Technical | A2.20 |  |
| The vendor should provide a system architecture diagram |   | Technical | A2.21 |  |
| The vendor should provide a multiple environment test environment |   | Technical | A2.22 |  |
| The system should have the ability to failover to a secondary server |   | Technical | A2.23 |  |
| The system should allow for multiple connectivity methodologies | Fibre | Technical | A2.24.1 |  |
| The system should allow for multiple connectivity methodologies | Commercial Wireless network (4G or higher) | Technical | A2.24.2 |  |
| The system should allow for multiple connectivity methodologies | Data radio | Technical | A2.24.3 |  |
| Vendor solution is currently installed in departments of similar size and number of users | Vendor should be able to provide references | Corporate | A3.1.1 |  |
| Vendor should offer an extended warranty |   | Corporate | A3.5 |  |
| The vendor should provide a system database schema |   | Corporate | A3.9 |  |
| The vendor should be able to describe the different services and levels of support that are available |   | Corporate | A3.10 |  |
| The vendor should provide product release notes for the version of the software being recommended for use at the time of system implementation |   | Corporate | A3.11 |  |
| System documentation should include both user guides and system administrator guides |   | Corporate | A3.12 |  |
| The vendor should provide technical assistance with the configuration of the system |   | Corporate | A3.14 |  |
| The vendor should provide technical assistance with the implementation of the system |   | Corporate | A3.15 |  |
| System solution should be subject to an internal (vendor) QA process |   | Corporate | A3.18 |  |
| The vendor should provide implementation and project support |   | Corporate | A3.21 |  |
| Vendor must provide 7/24/365 support | The vendor should provide first, second and third level support | Corporate | A3.22.4 |  |
| Vendor must provide 7/24/365 support | The vendor should provide a web-based knowledge bank; | Corporate | A3.22.5 |  |
| Vendor should track and monitor customer submitted bugs | Should track, monitor bugs and provides feedback to the customer | Corporate | A3.24.1 |  |
| Vendor should provide a single point of contact | The vendor should provide a single point of contact for customer supportThis should include a single project manager | Corporate | A3.25.1 |  |
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| **C. Desired** | **Proponent Response (Y, C, F, 3, N)** |
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| **Requirement Description** | **Requirement****Info** | **Requirement Category** | **RFQ** **Requirement Ref#** |  |
| If possible, the system may be designed to use a single source of power and communications i.e. Power over Ethernet (PoE) via CAT6 cable. |   | General | A1.04 |  |
| The system administrator may able to modify the pronunciation of any street name, city name or common place name without the need to involve the vendor. |   | General | A1.40 |  |
| The reader boards may allow for a single power and communication source (PoE) |   | General | A1.48 |  |
| The system may allow for integration with televisions so that a video display of the dispatch information can be provided |   | General | A1.55 |  |
| The system administrator may be able to configure the data displayed on the television output separately from the data displayed on the reader board |   | General | A1.56 |  |
| The alerting system may allow the users to turn on/off any 'soft light' features so that they can be disabled during the day when not required |   | General | A1.58 |  |
| Vendor may support/provide a user conference | Vendor may support/provide a user conference | Corporate | A3.6.1 |  |
| Vendor may support/provide a Canadian user conference | Vendor may support/provide a Canadian user conference | Corporate | A3.7.1 |  |
| Vendor supports a regional user conference | Vendor supports a regional user conference | Corporate | A3.8.1 |  |
| The vendor may provide system test plans | User Acceptance Test Plan | Corporate | A3.13.1 |  |
| The vendor may provide system test plans | Regression Test Plan | Corporate | A3.13.2 |  |
| A predefined process and associated expected timelines for trouble resolution may be provided |   | Corporate | A3.16 |  |
| The vendor may provide user-level training in a train-the-trainer format |   | Corporate | A3.20 |  |
| Vendor must provide 7/24/365 support | Users may be able to post information/issues to the web-based bank | Corporate | A3.22.6 |  |
| The vendor may provide a file transfer site;  |   | Corporate | A3.23 |  |
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