



## 635-2014 ADDENDUM 1

### REQUEST FOR PROPOSALS FOR THE PURCHASE OF A P25 RADIO SYSTEM AND SERVICES

#### **URGENT**

**PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE REQUEST FOR PROPOSAL**

ISSUED: October 20, 2014  
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**THIS ADDENDUM SHALL BE INCORPORATED INTO THE REQUEST FOR PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS**

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**Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Request for Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 9 of Form A: Proposal may render your Proposal non-responsive.**

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#### **PART A – PROPOSAL SUBMISSION**

Replace: 635-2014 Proposal Submission with 635-2014 Addendum 1 - Proposal Submission. The following is a summary of changes incorporated in the replacement Proposal Submission:

Form B(19b): Revise approx. quantity to 250.

Form B(19g(i)): Revise approx. quantity to 62.

Form B(19g(ii)): Revise approx. quantity to 62.

Form B(19g(iii)): Revise approx. quantity to 62.

Form B(19g(iv)): Revise approx. quantity to 62.

Form B(27c): Revise approx. quantity to 250.

Form B(27d): Revise approx. quantity to 250.

Form B(27e): Revise approx. quantity to 250.

Form B(28b): Revise approx. quantity to 250.

Numbering for Item 19 was corrected.

Page numbering on some forms may be changed as a result.

#### **PART E – SPECIFICATIONS**

Revise: E12.10(o) to read:

E12.10(o) The proposed repeater sites must be provided with a secondary power source capable of keeping the entire site operational for a minimum of **48** hours in the absence of the AC mains supply. This can take the form of batteries, **batteries and a generator, or another design of the Bidder's choice. If a fuel powered generator is proposed, the Bidder must include on-site fuel storage to provide a continuous run time at full load of not less than 48 hours before refueling.**

Add: E14.7(f)

E14.7(f) All engineering and design, construction, permits, Installation and inspection costs associated with the Network Core equipment.

Revise: E14.8 to read

E14.8 Item No. 12 shall be the capital costs for the Radio Repeater Site to Network core connections. This connection may take the form of copper plant, fiber or microwave. The costs shall include any terminal electronics such as switches, routers, media converters, **all engineering and design, construction, permits, Installation and inspection costs associated with the Network Core equipment.**

### **QUESTIONS AND ANSWERS FROM BIDDER'S CONFERENCE – OCTOBER 8, 2014**

Q1 Evaluation of proposal B19(a): What does the City consider mandatory, and how will the City evaluate on a Pass/Fail?

A1 Any item identified as a "shall" is mandatory. Anything identified as "should" is not mandatory but desirable.

Q2 Flash update has no labour cost. Was the City looking for a labour component to install the flash kits for 4 different mobile and portable radios?

A2 The City Radio Shop will install the flask kits. There should be no labour component in prices submitted for Items No.s 34-37 inclusive.

Q3 What is the grade of service requirements for calculating site access and the number of channels at each site?

A3 Currently there are 9 voice channels at each radio site in a multicast configuration. There are 1500 current mobile and portable radios. The City of Winnipeg will require a Grade of Service of <0.02% at 1 Holding Time (HT).

Q4 Talk a bit about the system, how the sites are connected today and are some assets City owned and possibly reusable?

A4 Currently the City of Winnipeg operates 2 radio sites that will be available. Site 1 is 1539 Waverley Street; Site 2 is 288 Portage Avenue.

Site one has a 350 foot tower owned and used exclusively by the City of Winnipeg. The tower supports antennas for both a 866 MHz trunked system and a 413 MHz MPT1327 trunked system. There are several microwave dish antennas for the 2.4 and 5.8 GHz bands.

A leased fiber connection is installed at the site to support the City corporate network. This connectivity cannot be used for the P25 radio system.

Site two has a 100 foot tower owned and used exclusively by the City of Winnipeg. The equipment hut is located on the roof of the Raddison Hotel and this space is exclusively for the City of Winnipeg. The tower supports antennas for both a 155MHz conventional system and a 413 MHz MPT1327 trunked system. There are 4 microwave receiving antennas for a 2.3 GHz bands.

A leased fiber connection is installed at the site to support the City corporate network. This connectivity cannot be used for the P25 radio system.

Both Site 1 and Site 2 are equipped with a DC battery backup (24 VDC). This system could be repurposed if necessary to support the P25 network. Neither site is equipped with a generator.

Currently the City owns the dispatch console equipment. Connectivity to the 866 trunked network is via a 1+1 redundant leased T1 service.

The City will be looking in the proposals for Bidders to detail the connectivity requirements and provide costs for their provision.

Currently 9 voice channels and 1 control channel, meet the current needs as far as system usage and access. Going forward with P25 and the ability to possibly layer in data services such as GPS and status and additional channel resources may be required. The City will be looking at opportunities to expand the user base and add additional City Departments with up to 1500 additional radios..

The current City system is part of the Provincial network, so while the 3 sites in the city are the exclusive use of the City, our radios are able to roam on to other sites, and vice-versa. We want to maintain that interoperability with our partners, including RCMP, and there are different ways of providing that. We're looking for your creative solutions on how best to achieve the interoperability functionality with partners using a provincial 800 MHz P25 system.

Q5 Continuing question on existing assets, in the RFP you're looking for lots of infrastructure. If a vendor determines that there are existing assets that can be leveraged during site surveys, can the bidder suggest that?

A5 The Bidders are encouraged to propose the use of existing assets and infrastructure.

Q6 How about dispatch locations?

A6 Dispatch locations are equipped with both UPS and generators, as per Specification E16.8, each console workstation shall be provided with a standalone UPS device. Ethernet connectivity from the wiring closets the future console positions is in place and need not be included in the proposal. The Bidder should include in their costing the connectivity between the wiring closets and the proposed Network Administration/control site.

Q7 Is Telephone interconnect a requirement for the system? "The City may be looking as an expansion or interface, a logging recorder, centralized telephone interface, etc." Wasn't sure if Bidders need an actual telecom interconnect server included as a baseline?

A7 As per E16.38 a telephone interface to the dispatch consoles is required. It is a desirable feature. It's not a mandatory feature. Clearly speak to the requirements in your response.

As per E12.12(e), The proposed system shall include a telephone interconnection capability. The system must support at least 1 concurrent telephone interconnection at each of the City of Winnipeg Sites.

Q8 Backup power clarification - in the RFP it states that the City is looking for 48 hour backup from a generator standpoint. In another section it says if the site loses main AC, the contractor needs to provide 12 hours. Is that 48 or 60 hours for backup power?

A8 Specification E12.10(o) has been amended above to clarify this. The City of Winnipeg expects the Bidder to propose a secondary power source that will power the entire radio site for no less than 48 hours in the event the main AC power feed is unavailable. This can take the form of batteries, batteries and a generator, or another solution of the Bidders choosing.

As per E14.6(h), the City requests that all bids proposing generators shall also provide on-site fuel storage that would allow for at least 48 hours of continuous run time before re-fueling was required.

- Q9 Speaking of Form B, section B of Form B, there's no mention of installation or engineering services. The other sections have a line item for installs. Do the components have the services built-in? Should services be included in P25 scope?
- A9 Installation and engineering costs shall be included in the capital costs in section B.
- Q10 Form B Section C: When the City is calculating total pricing, for the warranty pricing, assuming we're doing an average warranty spread? Is that correct and was that intentional?
- A10 For the purpose of evaluation, the warranty cost for each option of warranty will be determined by multiplying the listed quantity by the cost per unit. If a Bidder elects to not offer a warranty for the listed period length, the warranty cost will be calculated as the listed quantity multiplied by the calculated replacement cost of the item. To arrive at the 15 year total cost of ownership, the City will use the amounts provided in Form B including the calculated warranty costs explained above. The actual quantities of warranties awarded in the final contract will be determined on what is in the best interests of the City.
- Q11 Item 19 specifies 250 radios and 500 microphones, and warranty options for about 500 radios. Is the City looking for 250 or 500 for Item 19? Similar for Items 27 and 28. For Item 27 you specify 250 radios full body styles, and remote mount specifies 250 radios with remote mount capability. Is it 500 or 250 remote mount radios? 500 control heads, but 250/250 on remote mount and radio.
- A11 See amendments to Form B to clarify quantities.
- Q12 Section E15 says "full body style radio" -- what does this mean?
- A12 "Full body style" refers to mobile radio models that are manufactured as a single integrated product incorporating a front panel with controls and a display. Mobile Radio models manufactured with a front panel that can be removed and mounted separately can be considered "full Body Style" if supplied as a single unit without the hardware required to operate the units in a remote configuration.
- Q13 For interoperability and migration purposes, in the RFP you mention you want analogue conventional, P25 conventional, other talk groups. Any idea of the number of channels or talk group interfaces needed over the life of the RFP?
- A13 During migration from the current radio system, the Winnipeg Police Service (WPS) will need the ability to patch or tie together up to 10 talkgroups on the current system with 10 talkgroups on the proposed system. The Winnipeg Fire Paramedic Service (WFPS) will similarly require the ability to patch or tie together 10 old and new talkgroups. Operationally, a minimum of 4 conventional analogue or P25 channels will need to be interfaced to the WPS consoles and to P25 talkgroups. The WFPS will require their own 4 additional conventional analogue or P25 channels to be interfaced.
- Q14 Is there an agenda for the site visit? Both site and dispatch?
- A14 An agenda including site locations and scheduled times will be distributed to all registered participants.