

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**
**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage , Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet DIGITAL MOBILE AND PORTABLE RADIO	
Solicitation No. - N° de l'invitation 47419-166618/A	Date 2015-10-16
Client Reference No. - N° de référence du client 1000326618	
GETS Reference No. - N° de référence de SEAG PW-\$\$QD-035-25412	
File No. - N° de dossier 035qd.47419-166618	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-11-03	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Weronski, Radek	Buyer Id - Id de l'acheteur 035qd
Telephone No. - N° de téléphone (819) 956-0154 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: <div>Specified Herein Précisé dans les présentes</div>	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address
**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution
Defence Communications Division. (QD)
11 Laurier St./11, rue Laurier
Place du Portage, Phase III, 8C2
Gatineau, Québec K1A 0S5

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

47419-166618/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

035qd

Client Ref. No. - N° de réf. du client

1000326618

File No. - N° du dossier

035qd47419-166618

CCC No./N° CCC - FMS No/ N° VME

Please see attached RFP and Annexes.

STATEMENT OF REQUIREMENT

DIGITAL MOBILE AND PORTABLE TIER 3 (DMR-T3) TWO-WAY RADIOS

FOR

THE CANADA BORDER SERVICES AGENCY (CBSA)



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1.0 OBJECTIVE

The Canada Border Services Agency (CBSA) has a requirement to purchase mobile and portable digital two-way radios and accessories. The CBSA plans to purchase Digital Mobile Radio Tier 3 (DMR-T3) two-way radios that will be used with various DMR-T3 digital two-way radio systems across Canada.

2.0 BACKGROUND

The CBSA's intent is to utilize DMR-T3 technology as a cost-effective way of achieving reliable, secure digital communications at land border crossings and airports of entry. The CBSA initially intends to phase-in DMR-T3 in spots where MPT1327 trunking exists now. To that end, the radios specified in this Statement of Requirement (SOR) must be able to operate in analog trunked (MPT1327) and conventional frequency modulation (FM) modes, as well as DMR-T3.

3.0 SCOPE

The Contractor must supply the two-way radios and accessories in the quantities as specified in this SOR. This contract shall provide provision to buy mobile and portable radios over a two year period.

4.0 REQUIREMENT

CLIN	Item	Firm Quantity	Optional Quantities (Up to)
CLIN 1	Portable Radio	200	800
CLIN 2	Mobile Radio	15	45
CLIN 3:	Accessories		
SLIN 1	Portable Radio Desktop Charger	200	800
SLIN 2	Portable Radio Speaker Microphone	200	800
SLIN 3	Portable Radio Battery	400	1,600
SLIN 4	Portable Radio Carrying Case and Belt Loop	200	800
SLIN 5	Portable Radio Antenna	200	800
SLIN 6	AES Encryption Key Loader	5	5
SLIN 7	Radio Programming Software and Cable	5	5

Note: The Contractor must supply two batteries per portable radio for SLIN 3.



5.0 TECHNICAL SPECIFICATIONS

5.1 PORTABLE RADIO SPECIFICATIONS

5.1.1 Portable Radio General Specifications

The Portable Radio must:

1. be compliant with the European Telecommunications Standards Institute (ETSI) DMR Tier 2 Standard.
2. be compliant with the ETSI DMR Tier 3 Open Standard.
3. be compliant with the latest applicable version of the ETSI EN 300 113-2 publication.
4. be compliant with the latest applicable version of the ETSI EN 301 489-5 publication.
5. be compliant with the latest applicable version of the ETSI EN 301 489-1 publication.
6. be compliant with the latest applicable version of the EN 60950-1 publication.
7. be based on Time Division Multiple Access (TDMA) technology.
8. be able to work in DMR Tier 3 Trunking, DMR Tier 3 Conventional, MPT1327 analog trunking and analog conventional modes
9. support voice and data services and work within a system that uses a dedicated control channel for sending controlling signaling and data.
10. operate with Advanced Encryption Standard (AES) 256 bit.
11. support a roaming function to enable mobile radio terminals to automatically roam throughout the system across base stations without the need for the mobile user 's intervention
12. have a high resolution colour LCD display and programmable buttons as well as a numeric 3X4 entry pad.
13. be operational for emergency signalling via a dedicated button on the radio.
14. have built-in Global Positioning System (GPS) reporting capabilities with integrated GPS antenna.
15. be type approved for being licensed in Canada by Industry Canada.
16. be intrinsically safe (IS) Class 1 Division 2 (at minimal) and meet the latest applicable version of Underwriters Laboratory (UL)-913 or Canadian Standards Association (CSA) - 22.2 or Factory Mutual (FM) 3610 standard.
17. meet Military Standards (MIL-STD) 810 C/D/E/F/G.
18. meet International Protection (IP) rating number 67 or better.
19. have a battery that must provide capacity to support a 5% Transmit /5% Receive /90% Standby Duty Cycle.
20. be able to initiate private and individual calls.
21. be able to initiate group calls.
22. permit Late Entry into an existing radio conversation.
23. be able to operate with Dynamic Group Number Assignment.
24. be able to make Broadcast Calls to specific talk groups.
25. be able to make All Calls to everyone on the network.

5.1.2 Portable Radio Transmitter Specifications

	Category	Specification
a.	Output Power (minimum)	4 watts
b.	Conducted/Radiated Emission (or better)	-36 decibels reference 1 milliwatt (dBm) below 1 gigahertz (GHz)
c.	Modulation Limiting (12.5 kilohertz channel) (kHz)	+/- 2.5 kilohertz (kHz)
d.	Frequency Range (+/- 5%)	400-470 Megahertz (MHz)



5.1.3 Portable Radio Receiver Specifications

	Specification	UHF
a.	Digital Sensitivity Based on 5% Bit Error Rate (BER)	0.3 microvolts (uV) or better
b.	12.5 kilohertz (kHz) Channel Selectivity (+/- 5% or better)	-60 decibels (dB)
c.	Frequency Range (+/- 5%)	400-470 Megahertz (MHz)

5.2 MOBILE RADIO

5.2.1 Mobile Radio General Specifications

The Mobile Radio must:

1. be compliant with the European Telecommunications Standards Institute (ETSI) DMR Tier 2 Standard.
2. be compliant with the ETSI DMR Tier 3 Open Standard.
3. be compliant with the latest applicable version of the ETSI EN 300 113-2 publication.
4. be compliant with the latest applicable version of the ETSI EN 301 489-5 publication.
5. be compliant with the latest applicable version of the ETSI EN 301 489-1 publication.
6. be compliant with the latest applicable version of the EN 60950-1 publication.
7. be based on Time Division Multiple Access (TDMA) technology.
8. support voice and data services and work within a system that uses a dedicated control channel for sending controlling signaling and data.
9. be powered by 13.8 volts direct current (DC) as found in vehicle electrical systems.
10. operate with Advanced Encryption Standard (AES) 256 bit.
11. be able to work in DMR Tier 3 Trunking, DMR Tier 3 Conventional, MPT1327 analog trunking and standard analog conventional modes.
12. support a roaming function to enable mobile radio terminals to automatically roam throughout the system across base stations without the need for the mobile user 's intervention
13. have a high resolution colour LCD display.
14. have built-in Global Positioning System (GPS) reporting capabilities.
15. be type approved for being licensed in Canada by Industry Canada.
16. meet Military Standards (MIL-STD) 810 C/D/E/F/G.
17. meet International Protection (IP) rating number 54 or better.
18. be able to initiate private and individual calls.
19. be able to initiate group calls.
20. be able to permit Late Entry into an existing radio conversation.
21. be able to operate with Dynamic Group Number Assignment.
22. be able to make Broadcast Calls to specific talk groups.
23. be able to make All Calls to everyone on the network.

5.2.2 Mobile Radio Transmitter Specifications

	Specification	UHF
a.	Output Power (minimum)	30 watts
b.	Conducted/Radiated Emissions (or better)	-36 decibels relative to one milliwatt (dBm) below 1 Gigahertz (GHz)
c.	Modulation Limiting (12.5	+/- 2.5 kilohertz (kHz)



	kilohertz channel) (kHz)	
d.	Frequency Range (+/- 5%)	400-470 Megahertz (MHz)

5.2.3 Mobile Radio Receiver Specifications

	Specification	UHF
a.	Digital Sensitivity Based on 5% Bit Error Rate (BER)	0.3 microvolts (uV) or better
b.	12.5 kilohertz (kHz) Channel Selectivity (+/- 10% or better)	-60 decibels (dB)
c.	Frequency Range (+/- 5%)	400-470 Megahertz (MHz)

5.3 ACCESSORIES

5.3.1 Portable Radio Battery Desktop Charger

The Charger must:

1. have a status light to indicate when the charger is charging or when charging is complete.
2. be powered from a standard 115 volt alternating current (115 VAC) North American standard three-pronged 15 ampere (15A) electrical power receptacle.
3. be capable of charging the battery by itself or when attached to the portable radio.

5.3.2 Portable Radio Speaker Microphone

The Speaker Microphone must:

1. must be IS-rated Class 1 Division 2 (at minimal) and be approved for use with the portable radio by the radio manufacturer.
2. must be intrinsically safe (IS) Class 1 Division 2 (at minimal) meeting the latest applicable version of UL913 or FM 3610 or CSA C22.2 standards.
3. must have an emergency button on it.
4. must have an earpiece receptacle on it to receive a 3.5 millimetre (mm) monaural earpiece plug.

5.3.3 Portable Radio Battery

1. The battery chemistry must be lithium-ion (Li-Ion).
2. The battery must be intrinsically safe (IS) Class 1 Division 2 (at minimal) meeting the latest applicable version of UL913 or FM 3610 or CSA C22.2 standards.
3. The battery must be approved for use with the portable radio by the radio manufacturer.
4. The contractor must supply two batteries per portable radio.

5.3.4 Portable Radio Carrying Case and Belt Loop

The Carrying Case must:

1. be approved by the radio manufacturer.
2. be leather or similar ruggedized material.
3. be designed so that access to any control buttons, switches or dials is not impeded.
4. mate with a belt loop such that the case can swivel.



5. have at least a 6 centimeter (cm) belt loop to permit belt to slide through.

5.3.5 Portable Radio Antenna

1. The portable radio antenna must be of a short, rubberized, stubby variety.
2. If the antenna is capable of being trimmed for a specific frequency range, the antenna must be already trimmed for the range of frequencies that the mating portable radio is designed for.

5.3.6 AES Encryption Key Loader

The Advanced Encryption Standard (AES) key loader must:

1. provide 256-bit encryption to the mobile and portable radios specified in this SOR.
2. include all interface cabling to mate with the mobile and portable radios specified in this SOR.
3. come with rechargeable battery (or batteries) and compatible charger.

5.3.7 Radio Programming Software and Cable

1. The radio programming cable must be compatible with the standard Microsoft Windows 7 or Windows 8 environment via universal serial bus connection (USB2.0).
2. The radio programming software must be compatible with the standard Microsoft Windows 7 or Windows 8 environment.

5.3.8 Over the Air Programming (OTAP)

1. The mobile and portable radios described in this SOR must be able to be programmed over the air via the DMR Tier 3 network management application interface.
2. This feature must be licensed for use on the mobile and portable radio as part of this SOR.

5.3.9 Over the Air Programming (OTAP)

1. The mobile and portable radios described in this SOR must be able to have their AES encryption keys changed over the air via the DMR Tier 3 network management application.
2. This feature must be licensed for use on the mobile and portable radio as part of this SOR.



ANNEX B - BASIS OF PAYMENT

		Firm Quantities Date of Contract to 31 March 2016				Optional Quantities 1 April 2016 to 31 March 2017				Optional Quantities 1 April 2017 to 20 December 2017					
	CLIN/SLIN Description	Proposed Unit Price Qty 5	Proposed Unit Price Qty 15	Proposed Unit Price Qty 200	Proposed Unit Price Qty 400	Proposed Unit Price Qty up to 50	Proposed Unit Price Qty 51 - 100	Proposed Unit Price Qty 101 - 200	Proposed Unit Price Qty 201 - 400	Proposed Unit Price Qty 401 and up	Proposed Unit Price Qty up to 50	Proposed Unit Price Qty 51 - 100	Proposed Unit Price Qty 101 - 200	Proposed Unit Price Qty 201 - 400	Proposed Unit Price Qty 401 and up
CLIN 1.	Portable Digital Radio														
CLIN 2	Mobile Digital Radio														
CLIN 3	Accessories														
SLIN 1	Portable Radio Battery Desktop Charger														
SLIN 2	Portable Radio Speaker Microphone														
SLIN 3	Portable Radio Battery														
SLIN 4	Portable Radio Carrying Case and Belt Loop														
SLIN 5	Portable Radio Antenna														
SLIN 6	AES Encryption Key Loader														
SLIN 7	Radio Programming Software and Cable														
Sub-Total Prices of Firm Quantities															
Total Aggregate Price of Firm Quantities															
Sub-Total Prices of Optional Quantities															
Total Aggregate Prices of Optional Quantities															
Total Aggregate Price (Sum of total prices of Firm Quantities PLUS Optional Quantities)															

ANNEX C - COMPLIANCE MATRIX CLIN 1: Portable Digital Two-Way Radio

A	B	C	D	E	F	G
SOR Reference	Specification	Substantiation by	Proposed Part No.s	Compliant or Non-compliant	Reference in Technical Bid	Bidder's Comments
5.1.1-1	Portable Radio compliant ETSI DMR Tier 2 Standard					
5.1.1-2	Portable Radio compliant ETSI DMR Tier 3 Standard					
5.1.1-3	Portable Radio compliant ETSI EN 300 113-2					
5.1.1-4	Portable Radio compliant ETSI EN 301 489-5					
5.1.1-5	Portable Radio compliant with ETSI EN 301 489-1					
5.1.1-6	Portable Radio compliant with EN 60950-1					
5.1.1-7	Portable Radio must be based on TDMA technology					
5.1.1-8	Portable Radio must work with DMR T3 Trunking, DMR T3 Conventional, MPT1327 analog Trunking and analog conventional modes					
5.1.1-9	Portable Radio must support voice and data services and work within a system that uses a dedicated control channel for sending controlling signaling and data					
5.1.1-10	Portable Radio must operate with AES 256 bit					
5.1.1-11	Portable Radio must support a roaming function without needing user intervention					
5.1.1-12	Portable Radio must have a high resolution colour LCD display, programmable buttons and a numeric 3X4 keypad					
5.1.1-13	Portable Radio must be operational for emergency signaling via a dedicated button on the radio					
5.1.1-14	Portable Radio must have built-in GPS reporting via integrated GPS antenna					
5.1.1-15	Portable Radio must be type approved by Industry Canada					
5.1.1-16	Portable Radio IS must be rated with most recent version of UL913 or CSA 22.2 or FM3610					
5.1.1-17	Portable Radio must meet MIL-STD 810 C/D/E/F/G					
5.1.1-18	Portable Radio must meet IP67 standard or better					
5.1.1-19	Portable Radio battery capacity must support 515/90 duty cycle					
5.1.1-20	Portable Radio must be able to initiate private and individual calls					
5.1.1-21	Portable Radio must be able to initiate Group Calls					
5.1.1-22	Portable Radio must be able to permit Late Entry into existing conversations					
5.1.1-23	Portable Radio must be able to operate with Dynamic Group Number assignment					
5.1.1-24	Portable Radio must be able to make Broadcast Calls specific to talkgroups					
5.1.1-25	Portable Radio must be able to make All Calls to everyone in network					
5.1.2-a	Portable Radio Transmitter Output Power 4 Watts					
5.1.2-b	Portable Radio Transmitter Conducted/Radiated Emission -36 dBm below 1 GHz					
5.1.2-c	Portable Radio Transmitter Frequency Limiting (+/- 2.5 kHz for 12.5 kHz Channel)					
5.1.3-a	Portable Radio Receiver Channel Selectivity 0.3 uV at 5% BER					
5.1.3-b	Portable Radio Receiver Channel Selectivity -60dB with 12.5 kHz channel					
5.1.3-c	Portable Radio Receiver Frequency Range 400-470 MHz					
5.3.8-1	Over The Air Programming (OTAP)-Portable Radios must be programmable over the air via DMR T3 network management application					
5.3.8-2	Over The Air Programming (OTAP)-Feature must be licensed for use on each portable radio					
5.3.9-1	Over The Air Re-Keying (OTAR)-Must be able to change encryption keys over the air via the DMR T3 network management application					
5.3.9-2	Over The Air Re-Keying (OTAR)-Feature must be licensed for use on each portable radio.					

ANNEX C - COMPLIANCE MATRIX
CLIN 2: Mobile Digital Two-Way Radio

A	B	C	D	E	F	G
SOR Reference	Specification	Substantiation by	Proposed Part No/s	Compliant or Non-compliant	Reference in Technical Bid	Bidder's Comments
5.2.1-1	Mobile Radio must be compliant to ETSI-DMR Tier 2 Standard					
5.2.1-2	Mobile Radio must be compliant to ETSI-DMR-Tier 3 Standard					
5.2.1-3	Mobile Radio must be compliant to ETSI EN 300 113-2					
5.2.1-4	Mobile Radio must be compliant to ETSI EN 301 489-5					
5.2.1-5	Mobile Radio must be compliant with ETSI EN 301 489-1					
5.2.1-6	Mobile Radio must be compliant with EN 60950-1					
5.2.1-7	Mobile Radio must be based upon TDMA technology					
5.2.1-8	Mobile Radio must support voice and data services and work within a system that uses a dedicated control channel for sending controlling signaling and data					
5.2.1-9	Mobile Radio must be powered by 13.8 VDC					
5.2.1-10	Mobile Radio must operate with AES 256 bit encryption					
5.2.1-11	Mobile Radio must work with DMR T3 Trunking, DMR T3 Conventional, MPT1327 analog trunking and analog conventional modes					
5.2.1-12	Mobile Radio must support a roaming function without needing user intervention					
5.2.1-13	Mobile Radio must have a high resolution colour LCD display					
5.2.1-14	Mobile Radio must have built-in GPS reporting capabilities					
5.2.1-15	Mobile Radio type approved by Industry Canada					
5.2.1-16	Mobile Radio must meet MIL-STD 810 C/D/E/F/G					
5.2.1-17	Mobile Radio must meet IP-54 or better					
5.2.1-18	Mobile Radio must be able to initiate private and individual calls					
5.2.1-19	Mobile Radio must be able to initiate Group Calls					
5.2.1-20	Mobile Radio must be able to permit Late Entry into an existing radio conversation					
5.2.1-21	Mobile Radio must be able to operate with Dynamic Group Number Assignment					
5.2.1-22	Mobile Radio must be able to make Broadcast Calls to specific talk groups					
5.2.1-23	Mobile Radio must be able to make All Calls to everyone in the network					
5.2.2-a	Mobile Radio Output Power 30 watts					
5.2.2-b	Mobile Radio Conducted/Radiated Emissions -36 dBm below 1 GHz					
5.2.2-c	Mobile Radio Modulation Limiting +/- 2.5 kHz for 12.5 kHz Channel					
5.2.2-d	Mobile Radio Transmitter Frequency Range 400-470 MHz					
5.2.3-a	Mobile Radio Digital Sensitivity 0.3 uV at 5% BER					
5.2.3-b	Mobile Radio Channel Selectivity -60dB with 12.5 kHz channel					
5.2.3-c	Mobile Radio Receiver Frequency Range 400-470 MHz					
5.3.8-1	Over The Air Programming (OTAP)-Mobile Radios must be programmable over the air via DMRT3 network management application					
5.3.9-2	Over The Air Programming (OTAP)-Feature must be licensed for use on each mobile radio					
5.3.9-1	Over The Air Re-Keying (OTAR)-Must be able to change encryption keys over the air via the DMR T3 network management application					
5.3.9-2	Over The Air Re-Keying (OTAR)-Feature must be licensed for use on each mobile radio.					

*Electronic copy to be published on Buy & Sell shortly or contact the Contracting Authority.

ANNEX C - COMPLIANCE MATRIX
CLIN 3: Accessories for Portable and Mobile Digital Two-Way Radios

A SOR Reference	B Specification	C Substantiation by	D Proposed Part No.s	E Compliant or Non-compliant	F Reference in Technical Bid	G Bidder's Comments
5.3.1-1	Portable Radio Battery Desktop Charger					
5.3.1-1	Portable Radio Desktop Charger-Status Light					
5.3.1-2	Portable Radio Desktop Charger –operates on 115 VAC					
5.3.1-3	Portable Radio Desktop Charger capable of charging battery by itself or when attached to radio					
5.3.2-1	Portable Radio Speaker Microphone					
5.3.2-1	Portable Radio Speaker Mic IS rated					
5.3.2-2	Portable Radio Speaker Mic must meet most recent of either UL913 or FM3610 or CSA 22.2 standard					
5.3.2-3	Portable Radio Speaker Mic must have emergency button on it					
5.3.2-4	Portable Radio Speaker Mic must have a 3.5mm earpiece receptacle.					
5.3.3-1	Portable Radio Battery					
5.3.3-1	Portable Radio Battery must be Li-ION					
5.3.3-2	Portable Radio Battery must be IS to UL913 or FM3610 or CSA 22.2					
5.3.3-3	Portable Radio Battery must be approved for use by radio manufacturer					
5.3.3-4	Portable Radio Battery must be supplied as two batteries per radio					
5.3.4-1	Portable Radio Carrying Case and Belt Loop					
5.3.4-1	Portable Radio Carrying Case and Belt Loop must be approved by the radio manufacturer					
5.3.4-2	Portable Radio Carrying Case and Belt Loop must be leather or ruggedized material					
5.3.4-3	Portable Radio Carrying Case and Belt Loop must permit access to keypad and switches, dials					
5.3.4-4	Portable Radio Carrying Case and Belt Loop must permit swivel action					
5.3.4-5	Portable Radio Carrying Case and Belt Loop must permit 6cm belt to slide through loop					
5.3.5-1	Portable Radio Antenna					
5.3.5-1	Portable Radio Antenna must be short rubberized, stubby variety					
5.3.5-2	Portable Radio Antenna must be pre-trimmed (if req'd) to operate in specified frequency range					
5.3.6-1	AES Encryption Key Loader					
5.3.6-1	AES Encryption Key Loader must provide 256 bit encryption to portables and mobiles					
5.3.6-2	AES Encryption Key Loader must include all interface cabling to mate with portable and mobile radios					
5.3.6-3	AES Encryption Key Loader must come with rechargeable battery and compatible charger					
5.3.7-1	Radio Programming Software and Cable					
5.3.7-1	Radio Programming Software and Cable-interconnection cable must be compatible with Windows 7 or 8 operating systems via USB2.0 connection					
5.3.7-2	Radio Programming Software and Cable-software must be compatible with Windows 7 or Windows 8 operating systems					

*Electronic copy to be published on Buy Sell shortly or contact the Contracting Authority.

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Annex A – Statement of Requirement

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There are no security requirements for this solicitation.

1.2 Requirement

The Bidder must provide the Digital Mobile and Portable Radios, and accessories as listed in Annex A – Statement of Requirement.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (2015-07-03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.1.1 SACC Manual Clauses

A9033T (2012-07-16) Financial Capability
B1000T (2014-06-26) Condition of Material – Bid

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than FIVE (5) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that Bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (4 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

3.2 Section I: Technical Bid

- a. All requirements under Annex A are **mandatory requirements**. In order to be deemed **responsive**, Bidders must supply all items.
- b. The Technical Bid must address all requirements of Annex A on a paragraph-by-paragraph basis, using the same numbering system.
- c. Proposed items must meet or exceed the specifications as listed in Annex A. If a Bidder wishes to propose multiple items for a requirement, all proposed part numbers must be clearly provided with the specifications of the proposed parts.
- d. The Bidder should include a description of the proposed parts supported by substantive information (e.g. technical brochures, drawings, specifications, test reports and the electrical and mechanical specifications) to demonstrate compliance with the requirements. References to Web sites are not acceptable.

3.2.1. Compliance Matrix

- a. Bidders should use the Compliance Matrix (Annex C) provided with the RFP and insert responses in each applicable cell for each Contract Line Item Number (CLIN) and Sub-line Contract Item Number (SLIN).
- b. Bidders should provide their responses in Column C to G for each item, wherever it applies.
- c. Bidders must provide their responses in Column E as per the following:
 - i. A compliance statement ("Compliant" or "Non-compliant"). "Compliant" statement will be interpreted as meaning full agreement with the requirement, whereas a "Non-compliant" statement will be interpreted as meaning not in full agreement with the requirement and the Bid will be deemed non-responsive and not given any further consideration.
 - ii. For mandatory requirements, statements such as "Read", "Comply with Intent", "Partial Compliance", "Noted" or the like will be considered as non-responsive; Paragraphs, elements and subparagraphs that convey information rather than a requirement must be marked with "Noted and Understood".
- d. In Column C, Bidders must demonstrate compliance with each specification either by a compliance statement, test results, substantiation in the manufacturer's brochure or a bidder's certification.
- e. It is likely that the Bidders may carry in their inventory more than one part that would satisfy a requirement. In such cases, Bidders may propose more than one part and provide alternative part numbers in Column D. However, Bidders should choose to submit **only one price** for any of the proposed parts, which they deem most competitive.
- f. In Column F, Bidders should provide name, page number and exact location in the brochures, document or any other material submitted with the technical bid to demonstrate compliance.
- g. In case a proposed part number is sub-categorized, Bidders should provide reference details in Column F - "Reference in Technical Bid", directing the evaluation committee to find the supporting information in the relevant section of the bid.
- h. Bidders should use Column G to provide any additional information they deem necessary for the proposed part/s.

3.3 Section II: Financial Bid

Bidders should submit their financial bid in accordance with Annex B - Basis of Payment. The total amount of Applicable Taxes must be shown separately.

For Firm Quantities listed in Annex B - Basis of Payment, the Bidder must submit Firm Fixed Unit Prices.

For Optional Quantities listed in Annex B - Basis of Payment, the Bidder must submit Firm Fixed Unit Prices.

3.4 Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.
- (c) The definitions of mandatory requirements are as follows;

MANDATORY REQUIREMENTS: Bidders should note that all MANDATORY requirements are identified specifically with the word "shall", "must", "will", "mandatory". In the case where a MANDATORY item cannot be or is not complied with, the bid shall receive no further consideration.

- (d) Compliance with all the mandatory provisions of the RFP, including without limitation, all Annexes, and the terms and conditions applicable to any resulting contracts is mandatory.
- (e) The price of the bid will be evaluated in Canadian Dollars, DDP Incoterms 2010 and excise taxes included, transportation charges included and the Goods and Services Tax or the Harmonized Sales Tax excluded, if applicable.

4.1.1 Technical Evaluation

- (a) All Bids must be completed in full and provide all of the information requested in the Request for Proposal to enable full and complete evaluation.
- (b) Bidders must demonstrate that they meet the mandatory requirements detailed in this Request for Proposal and the mandatory requirements as detailed in Annex A – Statement of Requirement and Annex C – Compliance Matrix.
- (c) Bids will be evaluated for their compliance with all mandatory technical criteria.

4.1.2 Financial Evaluation

The Financial proposal will be evaluated in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, Canadian customs duties and excise taxes included.

Pricing submitted in a foreign currency will be converted to Canadian dollars based on the exchange rate provided by the Bank of Canada, at noon on the date of Bid closing. Unless otherwise stated by the Bidder, it will be assumed that the bid is being submitted in Canadian currency.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the *lowest evaluated price on an aggregate basis* will be recommended for award of a contract. The lowest aggregate evaluated price will be obtained by adding the total proposed price for the Firm Quantities and the Optional Quantities in accordance with Annex B – Basis of Payment.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

5.1 Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

5.1.1 Integrity Provisions - Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions [2003](#). The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

There is no security requirement applicable to this Contract.

6.2 Requirement

The Contractor must provide the items detailed in Annex A – Statement of Requirement.

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

2010A (2015-09-03), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Supplemental General Conditions

- (a) 4001 (2015-04-01) Hardware Purchase, Lease and Maintenance, with the exception of the following modifications, apply to and form part of the Contract:
 - 1. Article 05 of Part II- Installation, Integration and Configuration is modified hereby as following:

Delete in its entirety.
 - 2. Part IV - Additional Conditions: Lease is modified hereby as following:

Delete in its entirety.
- (b) 4006 (2010-08-16) Supplemental General Conditions - Contractor to Own Intellectual Property Rights in Foreground Information.

6.4 Term of Contract

6.4.1 Period of Contract

The period of the contract is from the award date to 15th December 2017.

6.4.2 Delivery Date – Firm Quantities

All firm quantities must be received on or before 31 March 2016.

6.4.3 Optional Quantities

The Contractor grants to Canada the irrevocable option to acquire the optional goods described in Annex A of the Contract under the same conditions and at the prices and/or rates stated in the Contract.

Canada may exercise this option at any time by sending a written notice to the Contractor at least thirty (30) calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Radek Weronski
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Electronics, Munitions and Tactical Systems Procurement Directorate (EMTSPD)

Place du Portage, Phase III
11 rue Laurier
Gatineau, QC
K1A 0S8

Telephone: 819-956-0154
E-mail address: radek.weronski@tpsgc.pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Technical Authority

The Technical Authority for the Contract is:

Mubarak Mutter
CBSA – Science and Engineering Directorate
79 Bentley Avenue
Ottawa, ON
K2E 6T7

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Procurement Authority

The Procurement Authority for the Contract is:

Stephen Alexander
CBSA - Contracting Officer
355 River Road North, Tower B, 17th Floor
Ottawa, ON
K1A 0L8

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for all matters concerning the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority; however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.4 Inspection Authority

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents and goods rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document or good not be in accordance with the Requirements and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

6.5.5 Contractor's Representative

To be filled in at Contract Award.

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under this Contract, the Contractor will be paid firm prices in accordance with Annex B – Basis of Payment. The following Basis of Payment terms will apply:

Incoterms 2010:	Delivery Duty Paid (DDP)
Transportation/ Shipping charges:	Included
Canadian Customs/Duties:	Included
GST/HST:	Extra

6.6.2 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price

6.6.3 Multiple Payments

H1001C (2008-05-12), Multiple Payments

6.7 Invoicing Instructions

6.7.1 Invoices must be distributed as follows:

- (a) The original invoice and one copy to the Consignee;

- (b) One (1) electronic copy to the Contracting Authority; and
- (c) One (1) electronic copy to the Procurement Authority.

6.8 Consignee

Mubarak Mutter
CBSA – Science and Engineering Directorate
79 Bentley Avenue
Ottawa, ON
K2E 6T7

Address labeling shall be clearly marked on a minimum of two (2) locations on each package.
The following shall be observed:

- (a) Complete name of the consignee
- (b) Complete shipping address
- (c) Clear description of contents

6.9 Certifications

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

6.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in (to be filled at Contract Award).

6.11 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) Annex B - Basis of Payment;
- (c) Annex A - Statement of Requirement
- (d) the general conditions 2010A (2014-11-27), General Conditions - Goods (Medium Complexity
- (e) the supplemental general conditions 4001 (2015-04-01) Hardware Purchase, Lease and Maintenance;
- (f) the supplemental general conditions 4006 (2010-08-16) Supplemental General Conditions - Contractor to Own Intellectual Property Rights in Foreground Information;
- (g) the Contractor's bid dated _____ .

6.12 SACC Manual Clauses

A3015C (2014-06-26), Certifications – Contract
B7500C (2006-06-16), Excess Goods
D9002C (2007-11-30), Incomplete Assemblies
G1005C (2008-05-12), Insurance

6.13 Export License

It shall be the Contractor's responsibility to ensure that any and all export licenses and any other releases are obtained prior to shipment of all deliverables, goods and data as required. Failure to obtain the same shall not excuse the Contractor from its responsibility to deliver on schedule.

6.14 Licensing

The Contractor must obtain and maintain all permits, licenses and certificates of approval required for the Work to be performed under any applicable federal, provincial or municipal legislation. The Contractor shall be responsible for any charges imposed by such legislation or regulations. Upon request, the Contractor shall provide a copy of any such permits, license, or certificate to Canada.

6.15 Notice of Labour Disputes

Whenever the Contractor has knowledge that any actual or potential labour dispute is delaying or threatens to delay the timely performance of the contract, the Contractor shall immediately give notice thereof, including all relevant information with respect to any delay, to the Contracting Authority.

6.16 Contractual Disputes

The following procedures for the settlement of any disputes which may arise throughout the life of this Contract shall prevail:

- (1) Disputes arising from this Contract will in the first instance be resolved by the Contracting Authority and the Contractor's Contract Administrator within fifteen (15) working days or such additional time as may be agreed to by both parties.
- (2) Failing resolution under (1) above, the Manager, Defence Communications Division, Electronics, Munitions and Tactical Systems Procurement Directorate (EMTSPD), Defence and Major Projects Sector (DMPS) and the Contractor's Representative Supervisor will attempt to resolve the dispute within an additional fifteen (15) working days.

Failing resolution under (1) or (2), the Senior Director of EMTSPD, DMPS and the Contractor's equivalent Senior Management will attempt to resolve the dispute within an additional thirty (30) working days.