

**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 0A1 / Noyau 0A1  
Gatineau, Québec K1A 0S5  
Bid Fax: (819) 997-9776**

## Request For a Standing Offer Demande d'offre à commandes

### National Individual Standing Offer (NISO)

Offre à commandes individuelle nationale (OCIN)

Canada, as represented by the Minister of Public Works and Government Services Canada, hereby requests a Standing Offer on behalf of the Identified Users herein.

Le Canada, représenté par le ministre des Travaux Publics et Services Gouvernementaux Canada, autorise par la présente, une offre à commandes au nom des utilisateurs identifiés énumérés ci-après.

## Comments - Commentaires

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

**Issuing Office - Bureau de distribution**  
Electrical & Electronics Products Division  
11 Laurier St./11, rue Laurier  
7B3, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> VEHICLE SIREN/LIGHT CONTROLLER	
<b>Solicitation No. - N° de l'invitation</b> M7594-145034/A	<b>Date</b> 2014-12-18
<b>Client Reference No. - N° de référence du client</b> M7594-145034	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$\$HN-460-66393
<b>File No. - N° de dossier</b> hn460.M7594-145034	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2015-01-28</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<b>Delivery Required - Livraison exigée</b> See Herein	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Guertin, Benoit	<b>Buyer Id - Id de l'acheteur</b> hn460
<b>Telephone No. - N° de téléphone</b> (819)956-4479 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	
<b>Security - Sécurité</b> This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

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## **PART 1 - GENERAL INFORMATION**

### **1. Introduction**

The Request for Standing Offers (RFSO) is divided into seven parts plus attachments and annexes, as follows:

- Part 1: General Information: provides a general description of the requirement;
- Part 2: Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;
- Part 3: Offer Preparation Instructions: provides offerors with instructions on how to prepare their offer to address the evaluation criteria specified;
- Part 4: Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, the security requirement, if applicable, and the basis of selection;
- Part 5: Certifications: includes the certifications to be provided;
- Part 6: 6A, Standing Offer, and 6B, Resulting Contract Clauses:
  - 6A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;
  - 6B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The Annexes include the technical requirements, pricing schedule, the quarterly reports, and other documents.

### **2. Summary**

The Royal Canadian Mounted Police (RCMP) has a requirement for a National Individual Standing Offer (NISO) for the supply and delivery of siren light controllers including operation, installation and maintenance manuals at various locations across Canada, on an "as and when requested" basis, for a period of three (3) years from date of issuance with two (2) one -year extensions

A maximum of one (1) Standing Offer may be issued.

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), Canadian FT with Panama-Columbia-Peru and the Agreement on Internal Trade (AIT).

### **3. Debriefings**

Offerors may request a debriefing on the results of the request for standing offers process. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of the results of the request for standing offers process. The debriefing may be in writing, by telephone or in person.

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## PART 2 - OFFEROR INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the Request for Standing Offers (RFSO) 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.

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the clauses and conditions of the Standing Offer and resulting contract(s).

The [2006](#) (2014-09-25) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

Subsection 5.4 of [2006](#), Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) calendar days

Insert: one hundred and twenty (120) calendar days

#### 1.1 SACC Manual Clauses

Reference	Section	Date
<a href="#">A9033T</a>	Financial Capability	2012-07-16
<a href="#">B1000T</a>	Condition of Material	2014-06-26

### 2. Submission of Offers

Offers 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 Request for Standing Offers.

Due to the nature of the offer, offers transmitted by facsimile to PWGSC will not be accepted.

### 3. Enquiries - Request for Standing Offers

All enquiries must be submitted in writing to the Standing Offer Authority no later than ten (10) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by offerors 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 questions or may request that offerors do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to

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all offerors. Enquiries not submitted in a form that can be distributed to all offerors may not be answered by Canada.

#### **4. Applicable Laws**

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their offer, 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 offerors.

### **PART 3 - OFFER PREPARATION INSTRUCTIONS**

#### **1. Offer Preparation Instructions**

Canada requests that offerors provide their offer in separately bound sections as follows:

- Section I: Technical Offer ( 2 copies)
- Section II: Financial Offer ( 1 copy)
- Section III: Certifications (1 copy)
- Section IV: Additional Information (1 copy)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

Prices must appear in the financial offer only. No prices must be indicated in any other section of the offer. Canada requests that offerors follow the format instructions described below in the preparation of their offer.

- 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 are encouraged to:

- 1) use paper containing fibre certified as originating from a sustainably-managed forest and/or 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.

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## **Section I: Technical Offer**

In their technical offer, offerors should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Simply stating a compliancy to a criteria is insufficient. Bidders must present a clearly organized, printed (i.e., not handwritten) proposal that includes all necessary technical and descriptive information, in order to clearly demonstrate their compliancy to all items presented in the Statement of Work (SOW, Annex "A").

### **1.1 Pre-Award Samples**

Canada reserves the right to request a sample (volume production unit, no prototype will be accepted) from the Offeror to confirm a bidder's capability of meeting the technical requirements.

The Offeror must, upon request from the Standing Offer Authority, provide a sample to the Technical Authority, transportation charges prepaid, and without charge to Canada, within 10 calendar days from the date of request. Shipping instructions will be provided by the Standing Offer Authority at time of sample request.

The sample provided will be returned, however, must not be part of any subsequent delivery to the RCMP.

If the sample does not meet the requirements of the Request for Standing Offer or the Offeror fails to comply with the request of the Standing Offer Authority, the offer will be declared non-responsive.

## **Section II: Financial Offer**

Offerors must submit their financial offer in accordance with Annex "B" - Basis of Payment. The total amount of Applicable Taxes must be shown separately.

### **1.2 Payment of Invoices by Credit Card**

Canada requests that offerors complete one of the following:

- ☐ Government of Canada Acquisition Cards (credit cards) will be accepted for payment of invoices.

The following credit card(s) are accepted:

- ☐ VISA  
☐ MasterCard **OR**  
☐ Government of Canada Acquisition Cards (credit cards) will not be accepted for payment of invoices.

The Offeror is not obligated to accept payment by credit card. Acceptance of credit cards for payment of invoices will not be considered as an evaluation criterion.

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### **1.3 Exchange Rate Fluctuation**

The requirement does not provide for exchange rate fluctuation protection. Any request for exchange rate fluctuation protection will not be considered and will render the offer non-responsive.

## **Section III: Certifications**

Offerors must submit the certifications required under Part 5.

## **Section IV: Additional Information**

### **1.4 Offeror Contacts**

Name and telephone number of the person responsible for :

#### **Call-ups:**

Name: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail: \_\_\_\_\_

#### **Delivery follow-up**

Name: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail: \_\_\_\_\_

### **1.5 Delivery**

Delivery is offered at \_\_\_\_\_ calendar days from receipt of a call-up against the Standing Offer.

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **1. Evaluation Procedures**

- a) Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.
- b) An evaluation team composed of representatives of Canada will evaluate the offers.

### **Evaluation Criteria**

All offers must be completed in full and provide all of the information requested in the RFSO document to enable full and complete evaluation.

#### **1.1 Technical Evaluation**

##### **1.1.1 Mandatory Technical Criteria**

The following Mandatory requirements must be submitted with the offer for evaluation

- Technical compliance (description in Annex "A");
- Completed Appendices 1 & 2 of Annex E

##### **1.1.2 Point Rated Technical Criteria**

Vendors who have met all of the mandatory criteria will have their technical offers evaluated against the point rated criteria as per Appendix 2 of Annex "E". There are a total of 75 points available.

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## **1.2 Financial Evaluation**

The proposal with the lowest cost per technical point will be selected from among all proposals which passed all mandatory criteria. This approach values cost and technical factors equally. The respective value per point is obtained by dividing the price of a given proposal by the total number of points earned for the rated requirements. If no points are awarded, one (1) will be given to allow the calculation.

### **1.2.1 Pricing Basis**

The offeror must quote firm unit in Canadian dollars, Delivered Duty Paid (as per Annex C), Applicable Taxes extra, as applicable. Freight charges to destination and all applicable Custom duties and Excise taxes must be included.

### **1.2.2 Financial Capability**

SACC Manual clause [M9033T](#) (2011-05-16) Financial Capability

## **2. Basis of Selection**

An offer must comply with the requirements of the Request for Standing Offer (RFSO) and meet all mandatory technical evaluation criteria to be declared responsive. The responsive offer with the lowest cost per point will be recommended for the issuance of a standing offer.

## **PART 5 – CERTIFICATIONS**

Offerors must provide the required certifications and documentation to be issued a standing offer.

The certifications provided by offerors to Canada are subject to verification by Canada at all times. Canada will declare an offer non-responsive, will have the right to set-aside a standing offer, or will declare a contractor in default, if any certification is found to be untrue whether during the offer evaluation period, during the Standing Offer period, or during the contract period.

The Standing Offer Authority will have the right to ask for additional information to verify the Offeror's certifications. Failure to comply with this request will also render the Offer non-responsive or may result in the setting aside of the Standing Offer or will constitute a default under the Contract.

## **1. Mandatory Certifications Required Precedent to Issuance of a Standing Offer**

### **1.1 Code of Conduct and Certifications - Related documentation**

By submitting an offer, the Offeror certifies that the Offeror and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Offer of Standard Instructions [2006](#). The related documentation therein required will assist Canada in confirming that the certifications are true.

### **1.2 Federal Contractors Program for Employment Equity - Standing Offer Certification**

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror is a Joint Venture, is not named on the Federal Contractors



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Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list ([http://www.labour.gc.ca/eng/standards\\_equity/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)) available from [HRSDC-Labour's](http://www.hrsdc-labour.gc.ca) website.

Canada will have the right to declare an offer non-responsive, or to set-aside a Standing Offer, if the Offeror, or any member of the Offeror if the Offeror is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list at the time of issuing of a Standing Offer or during the period of the Standing Offer.

Canada will also have the right to terminate the Call-up for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list during the period of the Contract.

The Offeror must provide the Standing Offer Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, before the issuance of a Standing Offer. If the Offeror is a Joint Venture, the Offeror must provide the Standing Offer Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

### **1.3 General Environmental Criteria Certification**

By submitting the offer, the Offeror certifies that the information submitted in the General Environmental Criteria table found at Table 1 is accurate and complete.

By submitting the offer the Offeror certifies that it meets, and will continue to meet throughout the duration of any resulting standing offer, a minimum of four out of seven requirements identified in the General Environmental Criteria Table found at Table 1;

#### **Additional Information**

The Offeror must complete Table 1 by inserting a checkmark next to every criteria that are met. Offeror are requested to submit Table 1 with their offer. As this is a new procedure, Canada reserves the right to request Table 1 after the closing date. The Standing Offer Authority will inform the Offeror of a time frame within which to provide it. Failure to provide Table 1 within the required time frame will render the offer non-responsive.

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**Table 1**

**The Contractor must meet and continue to meet four out of seven criterions during the entire duration of the contract.**

<b>Green practices within supplier's organization:</b>	<b>Insert a checkmark for each criteria that is met</b>
Promotes a paperless environment through directives, procedures and/or programs.	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client.	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification.	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	
Registered to ISO 14001 or has an equivalent environmental management system in place	

## **PART 6 - STANDING OFFER AND RESULTING CONTRACT CLAUSES**

### **A. STANDING OFFER**

#### **1. Offer**

The Offeror offers to fulfill the requirement in accordance with the Statement of Work at Annex "A".

#### **2. Security Requirement**

There is no security requirement applicable to this Standing Offer.

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### **3. Standard Clauses and Conditions**

All clauses and conditions identified in the Standing Offer and resulting contract(s) 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.

#### **3.1 General Conditions**

[2005](#) (2014-09-25) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

#### **3.2 Standing Offers Reporting**

The Offeror must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Standing Offer. This data must include all purchases, including those paid for by a Government of Canada Acquisition Card.

The Offeror must provide this data in accordance with the reporting requirements detailed in Annex "D ". If some data is not available, the reason must be indicated. If no goods or services are provided during a given period, the Offeror must still provide a "nil" report.

The data must be submitted on a quarterly basis to the Standing Offer Authority.

The quarterly reporting periods are defined as follows:

- 1) 1st quarter: April 1 to June 30;
- 2) 2nd quarter: July 1 to September 30;
- 3) 3rd quarter: October 1 to December 31;
- 4) 4th quarter: January 1 to March 31.

The data must be submitted to the Standing Offer Authority no later than fifteen (15) calendar days after the end of the reporting period.

### **4. Term of Standing Offer**

#### **4.1 Period of the Standing Offer**

The period for making call-ups against the Standing Offer is from \_\_\_\_\_ to \_\_\_\_\_.

#### **4.2 Extension of Standing Offer**

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for two (2) additional periods of up to 12-month each, under the same conditions and at the rates or prices specified in the Standing Offer, or at the rates or prices calculated in accordance with the formula specified in the Standing Offer.

The Offeror will be advised of the decision to authorize the use of the Standing Offer for an extended period by the Standing Offer Authority thirty (30) days before the expiry

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date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

## **5. Authorities**

### **5.1 Standing Offer Authority**

The Standing Offer Authority is:

Benoit Guertin – Supply Specialist  
Public Works and Government Services Canada - Acquisitions Branch  
Logistics, Electrical, Fuel and Transportation Directorate - "HN" Division  
7B3, Place du Portage, Phase III, 11 Laurier Street, Gatineau, QC, K1A 0S5  
Telephone: (819) 956-4479 Facsimile: (819) 953-4944  
E-mail address: benoit.guertin@pwgsc-tpsgc.gc.ca

The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Standing Offer Authority, he is responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.

### **5.2 Project Authority**

The Project Authority for the Standing Offer is identified in the call-up against the Standing Offer.

The Project Authority is the representative of the department or agency for whom the Work will be carried out pursuant to a call-up against the Standing Offer and is responsible for all the technical content of the Work under the resulting Contract.

### **5.3 Offeror's Representative**

Name and telephone number of the person responsible for :

#### **Call-ups:**

Name:  
Telephone: Facsimile:  
E-mail:

#### **Delivery follow-up**

Name:  
Telephone: Facsimile:  
E-mail:

## **6. Identified Users**

The Identified User authorized to make call-ups against the Standing Offer is the Royal Canadian Mounted Police (RCMP)

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## **7. Call-up Instrument**

The Work will be authorized or confirmed by the Identified User(s) using form PWGSC-TPSGC 942, Call-up Against a Standing Offer.

## **8. Limitation of Call-ups**

Individual call-ups against this Standing Offer must not exceed \$80,000.00 (Goods and Services Tax or Harmonized Sales Tax included). Individual call-ups over \$80,000.00 and under \$400,000.00 shall be submitted to the Contracting Authority for authorization.

Individual requirements exceeding the above amount of \$400,000.00 will be submitted to in a funded requisition to PWGSC for processing as a separate requirement. Requirements shall not be broken into a number of call-ups for the purpose of requisitioning pursuant to the standing offer.

## **9. 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 call up against the Standing Offer, including any annexes;
- b) the articles of the Standing Offer;
- c) the general conditions [2005](#) (2014-09-25), Standing Offers - Goods
- d) the general conditions [2010A](#) (2014-11-27) Goods, (Medium Complexity);
- e) Annex A Statement of Work;
- f) Annex B Price List;
- g) Annex C Shipping Locations
- h) the Offeror's offer \_\_\_\_\_ (*insert date of offer*), \_\_\_\_\_ (*if the offer was clarified or amended, insert at the time of issuance of the offer: "as clarified on \_\_\_\_\_" OR "as amended \_\_\_\_\_". (insert date(s) of clarification(s) or amendment(s) if applicable)*)

## **10. Certifications - Compliance**

Compliance with the certifications and related documentation provided by the Offeror is a condition of authorization of the Standing Offer and subject to verification by Canada during the term of the Standing Offer and of any resulting contract that would continue beyond the period of the Standing Offer. In the event that the Offeror does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Offeror in its offer is untrue, whether made knowingly or unknowingly, Canada has the right to terminate any resulting contract for default and set aside the Standing Offer.

## **11. Applicable Laws**

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in [Ontario](#).

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## **B. RESULTING CONTRACT CLAUSES**

The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer.

### **1. Statement of Work**

The Contractor must provide the items detailed in the call-up against the Standing Offer.

### **2. Standard Clauses and Conditions**

#### **2.1 General Conditions**

[2010A](#) (2014-11-27) General Conditions - Goods (Medium Complexity) apply to and form part of the Contract.

#### **2.2 Changes to General Conditions [2010A](#) (2014-11-27)**

**2.2.1** Section 09 Warranty, delete 12 months, insert 36 months

**2.2.2** Section 16 Interest on Overdue Accounts, will not apply to payments made by credit cards at point of sale. (if applicable)

#### **2.3 SACC Manual Clauses**

<b>SACC Reference</b>	<b>Section</b>	<b>Date</b>
<a href="#">B1501C</a>	Electrical Equipment	2006-06-16
<a href="#">B7500C</a>	Excess Goods	2006-06-16

### **3. Term of Contract - Delivery Date**

Delivery must be made within \_\_\_\_\_ calendar days from receipt of a call-up against the Standing Offer.

### **4. Payment**

#### **4.1 Basis of Payment**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm unit specified in Annex B. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

#### **4.2 Limitation of Price**

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

#### **4.3 Single Payment**

SACC Manual clause [H1000C](#) (2008-05-12) Single Payment

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#### **4.4 Payment by Credit Card** *(if applicable)*

The following credit card is accepted: \_\_\_\_\_.

**OR**

The following credit cards are accepted: \_\_\_\_\_ and \_\_\_\_\_.

#### **5. Invoicing Instructions**

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as the detailed instructions in the standing offer; or

#### **6. Insurance**

SACC Manual clause [G1005C](#) (2008-05-12) Insurance

#### **7. SACC Manual Clauses (Delivery)**

<b>SACC</b>	<b>Section</b>	<b>Date</b>
<a href="#">D2000C</a>	Marking	2007-11-30
<a href="#">D9002C</a>	Incomplete Assemblies	2007-11-30

#### **7.1 Shipping Instructions - Delivery at Destination**

Goods must be consigned to the destination specified in the Contract and Delivered Duty Paid –DDP– (as per Annex C) Incoterms 2000 for shipments from a commercial contractor.

**(End of page)**

## ANNEX “A” – STATEMENT OF WORK

### 1 Introduction

This Statement of Work (SOW) details the requirements for an Integrated Siren and Light Control System (i.e. Control System) for use by the Royal Canadian Mounted Police (RCMP) throughout Canada on a variety of vehicle types for unmarked applications. The estimated demand for these Control systems is 2200 units over 5 years. The Control System must include an electronic relay control, siren amplifier, and remote control head with an electronic keypad, switch panel and all other ancillary components. This SOW is intended to be part of the National Individual Standing Offer (NISO) to supply this Control System to a variety of RCMP vehicles throughout Canada. Delivery is on an as required basis to RCMP locations across Canada.

Scope and Background

This Control System would be used in those vehicles that require limited siren/light control functions with Public Address (PA) capability, in unmarked or special duty applications. This is not intended for marked vehicles or general duty. The remote (and mobile) control head portion of the system allows the user to store it covertly when not it use and use it discreetly when required. Combining the PA microphone with siren light controls increases efficiency and reduces clutter in the cab area of the vehicle. It is expected that a variety of speakers and speaker mounts may be required to install in the wide variety of applicable vehicle types and styles. This system is used for warning others of hazards, signaling violators to stop and requesting right of way on the roadways. The response must be in accordance with the following requirements with **clear identification by section and page number** of related documents in their offer of their demonstration of compliance

1.1 The technical parameters contained herein represent minimum performance requirements. Compliance to Industry Standards must not preclude compliance to more stringent RCMP Standards or requirements where applicable.

1.2 This Statement of Work is written with the intent of procuring standard production equipment of proven design and reliability. All proposed components of the electronic relay control, siren amplifier, electronic keypad and switch panel **must** be in current production and generally available on the market (no beta test components will be considered).

1.3 Only equipment which is tested under these parameters and accepted for use by the RCMP during the solicitation and evaluation process will be considered for purchase. Unless otherwise specified all requirements as detailed herein are mandatory and cannot be waived. Failure to meet mandatory requirements **will** result in disqualification.

### 2 Acronyms and Terminology - List of Terms

The following list of acronyms and solution definitions support this specification and must be considered as supplemental information if not referred to in the text.



2.1 System. The electronic relay control and siren amplifier unit which mounts outside of the cab area, traditionally located in the trunk. A part of the Integrated Siren and Light Control system.

2.2 Remote Control Head. Handheld electronic keypad and microphone used to control the System, traditionally easily hidden when not in use. A part of the Integrated Siren and Light Control system.

2.3 Integrated Siren and Light Control system or Control System. Both the Remote Control Head and the System as defined above.

### 3 Applicable Documents

The following document, of the issue in effect on the date of the Request for Standing Offer, forms a part of this specification. This section does not include documents cited in other sections of this specification or documents recommended for additional information or used as examples. In the event of a conflict, the requirements of this document must take precedence.

3.1.1 SAE Standard J-1849 *Emergency Vehicle Sirens*, current issue

### 4 General Requirements

The Mobile Integrated Siren and Light Control System provides a means to control siren, lighting, PA and other ancillary functions in RCMP unmarked vehicles. The Control System must include an electronic relay control, siren amplifier, and remote control head with an electronic keypad, switch panel, microphone and all other ancillary components.

#### 4.1 General

- 4.1.1 The system including the control head must be capable of operating over normal vehicle voltage fluctuations of + 11 VDC to +15 VDC (Volts Direct Current)
- 4.1.2 The system including the control head **must** be capable of operating in a temperature range of -30°C to +60°C.
- 4.1.3 [Rated] [Substantiate] The system and its control head should remain operational (with no system lock up or memory loss/reset) after the supply voltage is varied rapidly and slowly repeatedly, from + 10.5 VDC to + 16 VDC. Three cycles of variation for rapid and slow variations should be tested.
- 4.1.4 [Rated] [Substantiate] The system **should** withstand reverse polarity application of the normal power source for a period of 60 seconds with no permanent damage (except replaceable fuse).
- 4.1.5 [Rated] [Substantiate] The system **should** withstand a short at the speaker output for a period of 60 seconds with no permanent damage (except to replaceable fuse).

- 4.1.6 The 'Stand-By state' or idle current draw for the system including the remote control head **must** not exceed 10 milliampere, with backlight off.
- 4.1.7 The system **must** have a horn ring transfer feature allowing horn ring control of the siren tones.
- 4.1.8 The system **must** be able to rebroadcast the two way radio over the PA system.
- 4.1.9 The system **must** be rated for a minimum of two 100 watt speakers.
- 4.1.10 The system **must** be able to automatically 'kill' the siren when vehicle is put in park.
- 4.1.11 The system **must** optionally be able to be turned on and off via low current power input signal.

## **4.2 SAE J-1849**

Equipment must be compliant with the following performance standards as specified in the SAE Standard J-1849:

- 4.2.1 Section 5.1 and 6.1 Acoustic Test and Performance
- 4.2.2 Section 5.2 Vibration Testing
- 4.2.3 Section 5.3 Moisture Testing
- 4.2.4 Section 5.4 Corrosion Testing
- 4.2.5 Section 5.5 Dust Testing
- 4.2.6 Section 5.6 Radiated Emissions Test, Class 1 Vertical Polarization, Class 2 Horizontal Polarization
- 4.2.7 Section 5.7 Conducted Emissions Test, Class 4 Positive Lead, Class 4 Negative Lead
- 4.2.8 Section 5.8 Radiated Electromagnetic Immunity Test
- 4.2.9 Section 5.9 Durability Test
- 4.2.10 Section 5.10 Extreme Temperature Test
- 4.2.11 Vendor must provide the certification of SAE J-1849 compliance and a copy of the certification test results for above clauses demonstrating compliance.

## **4.3 Physical**

- 4.3.1 All of the system components must be contained in a lightweight, metallic housing suitable for mounting in the trunk compartment of a vehicle.
- 4.3.2 [Rated] [Substantiate] The housing enclosure **should** be able to withstand a drop of 36" onto a concrete floor without any permanent defects or fracture of the housing, and all of the components inside the housing **should** maintain their serviceability.
- 4.3.3 The physical size of the system **must** not exceed 8 cm H x 22 cm W x 20cm D. Size is exclusive of mounting bracket, control knobs and connectors (if applicable).

- 4.3.4 The system must include either a “L” brackets or ‘U’ bracket either part of or attachable to the system for mounting. The “L” bracket base must not extend more than 4cm from the base of the system. If “U” brackets are used thumb screws must be available for removing the unit in a confined space. This mounting configuration must be removable from the trunk tray by accessing the mounting brackets from the top of the enclosure.
- 4.3.5 The remote control head **must** be separate from the system. See 7.2 for cable requirements
- 4.3.6 The remote control head **must** be enclosed in a hardened high impact material housing. The physical size of the control head **must** not exceed 15cm H x 6 cm W x 3 cm D.
- 4.3.6.1 The keypad of the remote control must be made of a rubber membrane allowing backlighting and user selectable labels for identification. This does not apply to the Push to Talk (PTT) control for PA function.
- 4.3.7 [Rated] [Substantiate] The remote control head should withstand a drop of 36” onto a concrete floor, without any permanent defects or fractures of the housing and all of the components inside the housing should maintain their serviceability.

## **4.4 Radio Frequency Interference**

### **4.4.1 Radio Frequency Interference**

The police radio communications system is critical to RCMP operations, public and police officer safety. As such, it is imperative that any electronic devices installed or utilized in a police vehicle be designed such that any effects of radio frequency disturbances are eliminated or controlled so as not to interfere with police two-way radios or other sensitive electronic devices. If at any time “the product” is found to interfere with RCMP communications equipment or other systems throughout the period of the Standing Offer, then the Manufacturer will be given 60 calendar days to modify the product and correct the problem. Failure in doing so may result the Standing Offer and all undelivered call-ups being terminated.

Protection must be provided within the following Industry Canada radio frequency bands used for two-way radio communications:

- IC SRSP 500: 138 to 144 MHz and 148 to 174 MHz bands
- IC SRSP 501: 406 to 430 MHz and 450 to 470 MHz bands
- IC SRSP 502: 806 to 824 MHz and 851 to 869 MHz bands
- IC SRSP 511: 768 to 776 MHz and 798 to 806 MHz bands

### **4.4.2 Radio Frequency Transmission Effects Protection**

RCMP police vehicles utilize high powered mobile two-way radio transmitters as well as other transmitting communications devices. This high level of electromagnetic radio frequency energy has been known to affect the operation of electronics not designed with sufficient protection against external transmitting sources.

The system including the remote control head **must** be properly designed to eliminate the effects of radio frequency disturbances and provide protection for receivers used and/or installed in a vehicle from these disturbances. Any such disturbances will be noted in the evaluation of the bid (with the Pre-Award Sample Testing)

## 5 Control Functions

### 5.1 Power Output Control Switches

- 5.1.1 The remote control head must have three large push button switches near the top face of the remote control head capable of activating the following power outputs in the system at the current ratings indicated:

	Function switch position	Current Capacity
5.1.1.a	Off position.....	no output
5.1.1.b	Level 1.....	minimum 8 amperes
5.1.1.c	Level 2.....	minimum 8 amperes
5.1.1.d	Level 2 must also activate level 1 total output	minimum 16 amperes
5.1.1.e	Level 3.....	minimum 8 amperes
5.1.1.f	Level 3 must also activate level 1 and level 2 total output	minimum 24 amperes

Note: Level 1 is typically used for rear facing emergency lighting, Level 2 is typically used for forward facing emergency lighting and Level 3 typically includes both the previous two Levels plus Alternating Headbeam (i.e. Wig Wag) lighting.

- 5.1.2 A minimum of 5 additional auxiliary control switch relay outputs **must** be available each with its own pushbutton. Current capacity of these additional outputs **must** be rated a minimum 8 amperes each with the total capacity of the 5 outputs a minimum 40 amperes. This is outlined in the following Pushbutton Function example Table.

Pushbutton Function Example Table

Pushbutton Feature	Function	Pushbutton Activation type	Required electrical o/p	Minimum o/p current req.
HF/Standby	Put siren into handsfree mode. In this mode Wail is activated by either Horn Ring or Manual Button	Pushbutton on/off	+12V to trigger user supplied horn transfer relay	200mA Can be a dry relay contact arrangement
Manual	While HF is active, pressing this button (or horn ring) produces Wail.	See to left.	-	-

	Subsequent presses cycles the tone between Wail and Yelp. While HF is inactive, will generate a tone that will ramp up to and sustain a pitch until button is released.			
Air Horn	Activates Air Horn tone	Momentary	-	-
Siren	Activates a Wail.	Pushbutton on/off	-	-
Radio	Transfers radio to siren speaker	Pushbutton on/off	-	-
Alley Lights	Side facing (L/R) warning lights Various left and right combinations possible with presses.	Pushbutton on/off	+12V on two separate outputs (Left and Right)	Min 8 Amp per separate outputs
Auxiliary Relay	Various purposes	Pushbutton on/off	+12V	Min 8 Amps
GO Light	GO light	Pushbutton on/off	+12V	Min 8 Amps
Fireball Light	Fireball Light	Pushbutton on/off	+12V	Min 8 Amps

These control functions **must** be capable of any of the following modes of activation:

5.1.2.a On/Off

5.1.2.b Momentary

5.1.3 [Rated] [Substantiate] All push button switches should give a tactile, audible and visual feedback as to its operation.

5.1.4 All active functions **must** be able to be de-activated with a simple one button action.

## 5.2 Audio Gain control

5.2.1 An audio gain control for “PA” mode level adjustment must be available on the system without opening it or on the control head.

5.2.2 An audio gain control for “Radio Re-Broadcast” mode level adjustment must be available on the system without opening it or on control head.

## 5.3 Indicators and Illumination Control

5.3.1 Non-glare backlight illumination of all keypad buttons must be provided.

5.3.2 Function selection **must** be indicated by a keypad light or alternative colour light to differentiate from standby (inactive) mode.

5.3.3 [Rated] [Substantiate] A method of dimming or disabling the illumination of all switches on the remote control head should be provided.

## **5.4 System Configuration**

- 5.4.1 The system operation must be programmable by the use of dip switches or computer download, to control siren tones, audio characteristics and system power modes
- 5.4.2 All system outputs (Section 5.1.1 and 5.1.2) **must** be selectable to activate by push button switch operating positions on the remote control head in a variety of combinations.
- 5.4.3 [Rated] [Substantiate] All system and output fuses should be easily accessible and replaceable from the outside of the system housing.
- 5.4.4 [Rated] [Substantiate] System must be customer reconfigurable for changes to be made if required by the RCMP authority, NVEC (National Vehicle Equipment Committee) of the RCMP. This allows changes to 5.4.1 and 5.4.2 by RCMP field personal under NVEC authority using a computer software download program.

## **5.5 Public Address (PA) control**

- 5.5.1 The remote control head must contain a microphone that is used for PA applications. The PA must be controlled with a Push-To-Talk (PTT) button on the side of the remote control head containing the microphone.
- 5.5.2 Activation of the PTT must provide "PA" output override of all siren tone functions.
- 5.5.3 PTT button must give solid tactile feedback to its operator and mode of operation.

# **6 Detailed Specification**

## **6.1 Siren/Amplifier**

- 6.1.1 The electronic siren function of the system must be capable of operating as described below in each of the following modes:
  - 6.1.1.1.a "Air Horn" in which the system **must** produce a constant composite air horn sound. This momentary pushbutton activated tone **must** be capable of over-riding all other siren tones.
  - 6.1.1.1.b "Manual" in which the system, with the siren in standby mode **must** produce a wail tone and ramp up in pitch towards maximum frequency until the pushbutton is released. After pushbutton release the wail tone **must** ramp down to the minimum frequency and stop. This momentary pushbutton activated function **must** be capable of over-riding all other siren tones. Max. and Min. frequency must comply to SAE J-1849 definition of Wail function.
  - 6.1.1.1.c "Radio" in which the system **must** amplify the vehicles two-way radio audio. An audio input **must** be provided to permit the interface of a signal from a radio source.
  - 6.1.1.1.d "P.A." in which the system **must** amplify audio signals from the P.A. microphone described in Section 5.5 and 5.1.4.

- 6.1.1.e [Rated] [Substantiate] Siren operations **should** be suspended automatically when the vehicles automatic transmission is placed in park. This is an optional setting.
- 6.1.1.f [Rated] [Substantiate] Siren operations ( selecting between Wail and Yelp) **should** be controllable through the vehicles steering wheel horn pad/ring. This is an optional setting.
- 6.1.1.g [Rated] [Substantiate] Siren operation **should** be programmable to be automatically enabled in Level 3 (button 3) mode. This is an optional setting.

## 6.2 *System Acoustic Performance*

The systems acoustic performance **must** be in conformance with the requirements and procedures of the SAE –J1849 standard for emergency vehicle sirens using a standard production speaker to be specified as outlined in Section 7.3. This portion of SAE-J1849 **must** be submitted with the Offer from an accredited test facility.

# 7 *Accessories*

## 7.1 *Remote control head bracket*

A remote control head bracket **must** be supplied to allow mounting in various locations within the vehicle.

## 7.2 *Cabling*

- 7.2.1 A cable assembly, for connecting the primary input power to the system must be provided. The minimum length of cable must be 25 centimeters.
- 7.2.2 A cable assembly, for connecting the system to the remote control head **must** be provided. The minimum length of cable **must** be 6 meters.
  - 7.2.2.a A portion of this cable assembly must be a coiled cable designed for easy storage when not in use and extends for easy use.
  - 7.2.2.b A single plug in connector must be used for the system side of this cable.
- 7.2.3 A cable assembly, for connecting the system to the siren speaker, **must** be provided. The minimum length of cable **must** be 6 meters.
- 7.2.4 A cable assembly, for connecting auxiliary inputs and outputs to the system **must** be provided. The minimum length of cable **must** be 25 centimeters.

## 7.3 *Speaker Operation*

A variety of standard production speakers may be used with this system due to a wide variance of vehicle mounting options, vehicle type and space constraints. Specific manufacturer and model of speaker and mounting bracket **must** be specified in test results. See section 6.2 for test results of acoustic testing.



## 8 Maintenance

Full descriptive information and pricing of any software, spare parts, programming adapters or cables, test apparatus including jigs, test adaptors or fixtures and extender boards, required to test or service the system, **must** be included in the Offer.

### 8.1 Maintenance Schedule

Provide a recommended schedule for any regular service and maintenance procedures, if applicable.

## 9 Manuals

### 9.1 General

9.1.1 Equipment Installation/Maintenance/Operational manuals must be available and submitted in Offer. A French version of these manuals must be provided if available or RCMP must have the rights to translate and produce for RCMP purposes.

9.1.2 All printed manuals supplied **must** be of commercial print grade quality.

### 9.2 Operators Manuals

9.2.1 Operator manuals must be included with every unit.

9.2.2 The operator's manual **must** contain the following:

9.2.2.a Functional description of all operator-accessible controls in pictorial and paragraph format.

9.2.2.b Operating instructions and guidelines.

### 9.3 Equipment Installation/ Maintenance Information

9.3.1 The installation/maintenance manual must be included with every unit and contain the following:

9.3.1.a Technical description of circuit operation

9.3.1.b Internal and external cabling and interconnect diagrams

9.3.1.c Complete parts list of all modules, replacement parts and components, programming cables including manufacturer part numbers and description

9.3.1.d Troubleshooting or Symptom/solution guide

9.3.1.e Installation and test procedures

9.3.1.f System programming guidelines and available functions.

9.3.2 [Rated] [Substantiate] A software upload program should be available to allow a change in software configuration to the system in the field by RCMP personal, authorized by NVEC.



- 9.3.2.a [Rated] [Substantiate] This software upload program should run on any Windows XP or Vista or Windows 7 equipment .
- 9.3.2.b [Rated] [Substantiate] The programming port from the computer should be an industry standard connection such as USB or similar so standard cables can be used.
- 9.3.2.c A upload reprogramming guide must be included in the bid Response.

## 10 Maintenance Training Package

- 10.1 A one day installation/ maintenance training package, suitable for individual or up to a maximum of eight person group, must be available upon request.
- 10.2 The supplier **must** be able to provide the training at any of the four RCMP Regional locations: Ottawa, Edmonton, Halifax and Chilliwack.
- 10.3 The vendor must provide a description of their training package which contains, at the very least, the following and specify if the training package is available on CD, webcourse or on-site:
  - 10.3.1 Text material describing theory of operation.
  - 10.3.2 Text material outlining common faults, possible causes and the correction to the problem
  - 10.3.3 System wiring diagram.

## 11 Packaging and Delivery

Cartons/containers used for shipment **must** be of suitable strength/material to protect the equipment during shipment and/or storage. Annex C lists shipping addresses for each division.

### 11.1 External Labeling

Each container must have labeling indicating original manufacturer's name, serial number, part numbers with revision (and/or manufacturing date) and industry standard bar code to allow inventorying and tracking of the product including its specific load of software.

### 11.2 Product Labeling

The system itself must have labeling indicating original manufacturer's name, serial number, part numbers with revision (and/or manufacturing date) to allow inventorying and tracking of the product including its specific load of software.

## 12 Quality Assurance/Warranty/Maintenance Support

### 12.1 Quality Assurance

ISO 9001 Certification or Equivalent: The supplier must demonstrate that the Control System manufacturer is ISO 9001:2008 or equivalent.

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## **12.2     *Warranty***

A warranty of minimum 36 months from date of purchase on all parts (including cables and connectors) and labour **must** be given.

- 12.2.1 A 48 hour turnaround time for replacement product is required.
- 12.2.2 At the RCMP discretion, maintenance and /or upgrades of the equipment and replacement of user replaceable or user/serviceable components **must** be performed by RCMP technical support staff without voiding the warranty.
- 12.2.3 The supplier is responsible to replace or repair the defective items at their expense including any shipping and handling/duty fees.

## **12.3     *Maintenance Support***

The supplier must have a minimum of two Canadian service centres; one located in the Atlantic portion of the country (Nova Scotia, New Brunswick, PEI or Newfoundland) and one located in the Western (west of Ontario) portion of the country. Contact information including addresses, service hours and contact names must be provided.

- 12.3.1 If the support being delivered by the supplier is not satisfactory to the RCMP, the RCMP reserves the right to receive support from the original manufacture at no extra cost.

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## Annex “B” Price List

Item #	Description	Manufacturer	Model Number	Price if sold separately
1	Siren/Light Controller Amplifier kit			
2	Siren/Light Controller Amplifier			
3	Remote control head			
4	Remote control head cabling assembly			
5	Remote control head bracket			
6	Keypad Decals			
7	Power, Input, Output cabling assemblies			

Item #	Description	Price
8	Car Kit (Combines Items 1 to 7)	
9	Training Package	

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## ANNEX C Shipping Locations

<b>"A" Division</b> RCMP Post Garage 1426 Joseph Blvd. Orleans, Ontario K1A 0R2	<b>"E" Division</b> RCMP, Post Garage 1101 Calais Crescent Chilliwack, BC V2R 5S7	<b>"K" Division</b> RCMP Post Garage 11136 - 109th Street Edmonton, Alberta T5G 2T4
<b>"B" Division</b> RCMP, Stores 100 East White Hills Road P.O. Box 9700 Station B St. John's, Newfoundland A1A 3T5	<b>"F" Division</b> RCMP, Post garage 6101 Dewdney Drive Regina, Saskatchewan S4P 3K7	<b>"K" Division South Alberta</b> RCMP Post Garage 920 16th Ave NE Calgary, Alberta T2E 1K9
<b>"C" Division</b> RCMP Telecoms Workshop 4225 Dorchester Blvd., West Westmount, Quebec H3Z 1V5	<b>"H" Division</b> RCMP, Division Stores 86 Troop Ave Dartmouth, Nova Scotia B3B 1Z1	<b>"L" Division</b> See 'H' Division Stores
<b>"D" Division</b> RCMP, Post Garage 1091 Portage Avenue Winnipeg, Manitoba R3C 3K2	<b>"J" Division</b> RCMP, Division Stores Box 3900 1445 Regent Street Fredericton, N.B. E3B 4Z8	<b>"O" Division</b> RCMP, Post Garage 345 Harry Walker Parkway, South Newmarket, Ontario L3Y 8P6

[illegible]

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## Annex “E” Evaluation Criteria

### Appendix 1.0 Mandatory Criteria

ARTICLE	Description and Substantiation	Reference page
<b>4.0 General Requirements</b>		
4.1		
4.1.1		
4.1.2		
4.1.6		
4.1.7		
4.1.8		
4.1.9		
4.1.10		
4.1.11		
4.2		
4.2.1		
4.2.2		
4.2.3		
4.2.4		
4.2.5		
4.2.6		
4.2.7		
4.2.8		
4.2.9		
4.2.10		
4.2.11		
4.3		
4.3.1		
4.3.3		
4.3.4		
4.3.5		
4.3.6		
4.3.6.1		
4.4		
4.4.1		
4.4.2		
<b>5.0 Control Functions</b>		
5.1		
5.1.1		
5.1.1a		
5.1.1b		
5.1.1c		
5.1.1d		
5.1.1e		
5.1.1f		
5.1.2		
5.1.2a		
5.1.2b		
5.1.4		
5.2		
5.2.1		

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5.2.2		
5.3		
5.3.1		
5.3.2		
5.4		
5.4.1		
5.4.2		
5.5		
5.5.1		
5.5.2		
5.5.3		
<b>6.0 Detailed Specification</b>		
6.1		
6.1.1		
6.1.1.a		
6.1.1.b		
6.1.1.c		
6.1.1.d		
6.2		
<b>7.0 Accessories</b>		
7.1		
7.2		
7.2.1		
7.2.2		
7.2.2a		
7.2.2b		
7.2.3		
7.2.4		
7.3		
<b>8.0 Maintenance</b>		
8.1		
<b>9.0 Manuals</b>		
9.1		
9.1.1		
9.1.2		
9.2		
9.2.1		
9.2.2		
9.2.2.a		
9.2.2.b		
9.3		
9.3.1		

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9.3.1a		
9.3.1b		
9.3.1c		
9.3.1d		
9.3.1e		
9.3.1f		
9.3.2		
9.3.2.c		
<b>10.Maintenance Training</b>		
10.1		
10.2		
10.3		
10.3.1		
10.3.2		
10.3.3		
<b>11 Packaging &amp; Delivery</b>		
11.1		
11.2		
<b>12.QA/Warranty/Support</b>		
12.1		
12.1.1		
12.2		
12.2.1		
12.2.2		
12.2.3		
12.3		
12.3.1		



## Appendix 2.0 Rated Criteria

The proposal with the lowest cost per technical point will be selected from among all proposals which passed all mandatory criteria. This approach values cost and technical factors equally. The respective value per point is obtained by dividing the price of a given proposal by the total number of points earned for the rated requirements. If no points are awarded, one (1) will be given to allow the calculation.

Detailed Requirement	Article #	Scoring	Bid Reference (page #)
The system and its control head should remain operational (with no system lock up or memory loss/reset) after the supply voltage is either rapidly or slowly varied repeatedly from + 10.5 VDC to + 16 VDC.	4.1.3	5 points awarded if system remains operational after voltage variations cycling.  0 points awarded if system is non-operational after voltage variations	
The system should withstand reverse polarity application of the normal power source for a period of 60 seconds with no permanent damage except replaceable fuses.	4.1.4	5 points awarded if system remains operational after voltage reversal.  0 points awarded if system is non-operational after voltage variations	
The system should withstand a short at the speaker output for a period of 60 seconds with no permanent damage except to replace fuse.	4.1.5	5 points awarded if system remains operational after speaker short.  0 points awarded if system is non-operational after voltage variations	
The housing enclosure <b>should</b> be able to withstand a drop of 36" onto a concrete floor without any permanent defects or fracture of the housing, and all of the components inside the housing <b>should</b> maintain their serviceability.	4.3.2	5 points awarded if housing passes this drop test.  0 points awarded if system does not pass this drop test	
The remote control head should withstand a drop of 36" onto a concrete floor, without any permanent defects or fractures of the housing and all of the components inside the housing should maintain their serviceability.	4.3.7	5 points awarded if remote control head passes this drop test.  0 points awarded if remote control head does not pass this drop test	

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All push button switches should give a tactile, audible and visual feedback as to its operation.	5.1.3	5 points awarded if all push buttons have a tactile, audible and visual feedback. 2 points awarded if only 2 of the 3 feedbacks are provided. 0 points awarded if less than 2 types of feedback are provided	
A method of diming or disabling the illumination of all switches on the remote control head should be provided.	5.3.3	5 points awarded if dimming or disabling illumination of all switches. 0 points awarded if no method is provided.	
All system and output fuses should be easily accessible and replaceable from the outside of the system housing.	5.4.3	5 points awarded if all fuses are accessible and replaceable from outside the housing  0 points awarded if fuses are not accessible and replaceable from outside the housing	
System must be customer reconfigurable for changes to be made if required by the RCMP authority, NVEC (National Vehicle Equipment Committee) of the RCMP.	5.4.4	5 points awarded if system is reconfigurable for changes by RCMP in the field by software download  0 points awarded if system is not reconfigurable for changes by RCMP field staff by software download	
Siren operation should be suspended automatically when the vehicles automatic transmission is placed in park	6.1.1.e	5 points awarded if park kill feature included  0 points awarded if no park kill feature.	
Siren operation should be controllable through the steering wheel horn ring	6.1.1.f	5 points awarded if siren tones can be cycled using the horn ring  0 points awarded if no horn ring siren cycling	
Siren operation should be programmable to be automatically enabled in Level 3 mode	6.1.1.g	5 points awarded if siren tones can be automatically enable when in Level 3 mode via programming.  0 points awarded if Level 3 siren enablement not programmable	
A software upload program should be available to allow a change in software to the system	9.3.2	5 points awarded if system can be upgraded via software upload program  0 points awarded if not field software programmable via upload program	
This software upload program should run on any Windows XP or Vista or 7 equipped computer	9.3.2.a	5 points awarded if system can be upgraded via Windows XP or Vista or 7 equipped computer  0 points awarded if not upgradable via a Windows XP or Vista or 7 equipped machine	
The programming port from the computer should be an industry standard connection such as USB or similar so a standard cable can be used	9.3.2.b	5 points awarded if USB or similar cables used for uploading  0 points awarded if not upgradable via USB or similar industry cables.	
		<b>75 Points Available</b>	<b>TOTAL</b>