

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Public Works and Government Services Canada**  
**Telus Plaza North/Plaza Telus Nord**  
**10025 Jasper Ave./10025 ave. Jaspe**  
**5th floor/5e étage**  
**Edmonton**  
**Alberta**  
**T5J 1S6**  
**Bid Fax: (780) 497-3510**

**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**

<b>Title - Sujet</b> Video Monitoring System	
<b>Solicitation No. - N° de l'invitation</b> 47780-146527/A	<b>Date</b> 2013-11-13
<b>Client Reference No. - N° de référence du client</b> CBSA	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$EDM-023-9998	
<b>File No. - N° de dossier</b> EDM-3-36155 (023)	<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 2013-12-18</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Mountain Standard Time MST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Taylor, Ian	<b>Buyer Id - Id de l'acheteur</b> edm023
<b>Telephone No. - N° de téléphone</b> (780) 497-3621 ( )	<b>FAX No. - N° de FAX</b> (780) 497-3510
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> CANADA BORDER SERVICES AGENCY Prairie Region 280 Broadway WINNIPEG Manitoba R3C 2W2 Canada	

**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**

Public Works and Government Services Canada  
Telus Plaza North/Plaza Telus Nord  
10025 Jasper Ave./10025 ave Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<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</b> <b>(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>

## TABLE OF CONTENTS

### PART 1 - GENERAL INFORMATION

1. Introduction
2. Summary
3. Debriefings

### PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions
2. Submission of Bids
3. Enquiries - Bid Solicitation
4. Applicable Laws
5. Improvement of Requirement During Solicitation Period
6. Mandatory Site Visit

### PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

1. Evaluation Procedures
2. Basis of Selection

### PART 5 - CERTIFICATIONS

1. Mandatory Certifications Required Precedent to Contract Award

### PART 6 - SECURITY

1. Security Requirement

### PART 7 - RESULTING CONTRACT CLAUSES

1. Requirement
2. Standard Clauses and Conditions
3. Security Requirement
4. Term of Contract
5. Authorities
6. Payment
7. Invoicing Instructions
8. Certifications
9. Applicable Laws
10. Priority of Documents
11. SACC Manual clauses
12. Foreign Nationals (Canadian Contractor) *(if applicable)*  
Foreign Nationals (Foreign Contractor) *(if applicable)*
13. Insurance
14. Inspection and Acceptance

Solicitation No. - N° de l'invitation

47780-146527/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

edm023

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

CBSA

EDM-3-36155

---

**List of Annexes:**

Annex A	Requirement
Annex B	Basis of Payment
Annex C	Security Requirements Check List

## PART 1 - GENERAL INFORMATION

### 1. Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Security, Financial and Other Requirements: includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Requirement, the Basis of Payment, the Security Requirements Checklist and any other annexes.

### 2. Summary

The Canada Border Services Agency (CBSA) has a requirement for the supply and installation of a fully operational video monitoring system (VMS) for for the Canada Border Services Agency (CBSA) Enforcement and Intelligence Division (EIOD) Project in Edmonton, Alberta.

In light of the new construction of the EIOD building in Edmonton, a fully operational IP video surveillance system consisting of thirty-eight (38) high definition capable cameras are required in order to protect CBSA employees and assets, as well as to maintain the safety and security of employees and the general public, while respecting Canadian laws regarding privacy rights of individuals and employees.

All hardware and software must be supported by the Milestone XProtect Video Management Software.

This requirement is requested to be completed before January 31, 2014.

Bidders must provide proof that they have completed a minimum of three (3) similar systems within the last five (5) years.

There is a security requirement associated with this requirement. For additional information, consult Part 6 - Security, Financial and Other Requirements, and Part 7 - Resulting Contract Clauses. Bidders should consult the "[Security Requirements for PWGSC Bid Solicitations - Instructions for Bidders](http://www.tpsgc-pwgsc.gc.ca/app-acq/lc-pl/lc-pl-eng.html#a31)" (<http://www.tpsgc-pwgsc.gc.ca/app-acq/lc-pl/lc-pl-eng.html#a31>) document on the [Departmental Standard Procurement Documents](#) website.

Prior to contract award, the bidder must hold a valid CBSA Reliability Security Clearance.

Solicitation No. - N° de l'invitation

47780-146527/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

edm023

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

CBSA

File No. - N° du dossier

EDM-3-36155

CCC No./N° CCC - FMS No/ N° VME

---

Bidders must provide a list of names, or other related information as needed, pursuant to section 01 of standard Instructions 2003.

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT). The requirement is exempt from the North American Free Trade Agreement (NAFTA) under Annex 1001.1b-1. ; World Trade Organization - Agreement on Government Procurement, Appendix I, article 1(d).

### **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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

## **PART 2 - BIDDER INSTRUCTIONS**

### **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>) 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 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: ninety (90) days

#### **1.1 SACC Manual Clauses**

B1000T (2007-11-30), Condition of Material

B3000T (2006-06-16), Equivalent Products

B4024T (2006-08-15), No Substitute Products

### **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.

### **3. Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) 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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

### **4. Applicable Laws**

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

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.

## **5. Improvement of Requirement During Solicitation Period**

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least seven (7) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

## **6. Mandatory Site Visit**

It is mandatory that the Bidder or a representative of the Bidder visit the work site. Arrangements have been made for site visit to be held on Thursday, December 5, 2013 at 10:30 a.m. MST at CBSA EIOD Building, 10345 - 104 Street, Edmonton, AB. Bidders must communicate with the Contracting Authority no later than one (1) day before the scheduled visit to confirm attendance and provide the names of the person(s) who will attend. Bidders will be required to sign an attendance form. Bidders should confirm in their bids that they have attended the site visit. Bidders who do not attend or send a representative will not be given an alternative appointment and their bids will be rejected as non-compliant. Any clarifications or changes to the bid solicitation resulting from the site visit will be included as an amendment to the bid solicitation.

Personal Protective Equipment (PPE) will be required at the site visit.

## PART 3 - BID PREPARATION INSTRUCTIONS

### 1. Bid Preparation Instructions

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

Section I:	Technical Bid	(1 hard copy)
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.

#### Section I: Technical Bid

In their technical bid, bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

#### Section II: Financial Bid

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

#### 1.2 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

#### Section III: Certifications

Bidders must submit the certifications required under Part 5.



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

### **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.

#### **1.1 Technical Evaluation**

Failure to meet any of the following mandatory criteria at solicitation closing will render your submission non-compliant and given no further consideration.

- 1.1.1 Bidders must meet the requirements of the Video Monitoring System outlined in Section 1 of ANNEX A - REQUIREMENT.
- 1.1.2 Bidders are required to meet the Technical Requirements outlined in Section 2 - Tables 1-11 of ANNEX A - REQUIREMENT. Bidders are required to provide documentary proof of compliant to the Technical Requirements.
- 1.1.3 Bidders must provide proof (References with the Company Name, Contract number, or Contact name/number) that they have completed a minimum of three (3) similar systems within the last five (5) years. Similar is considered in relation to the requirements listed in ANNEX A - REQUIREMENT.

#### **1.2 Financial Evaluation**

- 1.2.1 The financial evaluation will be as per ANNEX B - BASIS OF PAYMENT.

*SACC Manual* Clause A0220T (2013-04-25), Evaluation of Price

### **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 will be recommended for award of a contract.

## **PART 5 - CERTIFICATIONS**

Bidders must provide the required certifications and documentation to be awarded a contract.

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default, if any certification made by the Bidder is found to be untrue whether during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with this request will also render the bid non-responsive or will constitute a default under the Contract.

### **1. Mandatory Certifications Required Precedent to Contract Award**

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

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

#### **1.2 Federal Contractors Program for Employment Equity - Bid Certification**

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" 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 Human Resources and Skills Development Canada (HRSDC) - Labour's website

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

## **PART 6 - SECURITY**

### **1. Security Requirement**

1. Before award of a contract, the following conditions must be met:
  - (a) the Bidder must hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;
  - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirement as indicated in Part 7 - Resulting Contract Clauses;
  - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. Bidders are reminded to obtain the required security clearance promptly. Any delay in the award of a contract to allow the successful bidder to obtain the required clearance will be at the entire discretion of the Contracting Authority.
3. For additional information on security requirements, bidders should consult the "Security Requirements for PWGSC Bid Solicitations - Instructions for Bidders" (<http://www.tpsgc-pwgsc.gc.ca/app-acq/lc-pl/lc-pl-eng.html#a31>) document on the Departmental Standard Procurement Documents website.
4. In the event the Contractor (specifically the Contractor personnel) does not pass the security screening process required by the CBSA, the said Contractor's proposal will be considered non-responsive and the next ranked bidder will be contacted. If only one bid was obtained and the proposed bidder does not meet the security requirement, then, the contracting officer will determine the next steps in order to ensure all requirements are met.

## PART 7 - RESULTING CONTRACT CLAUSES

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

### 1. Requirement

The Contractor must perform the Work in accordance with the Requirement at Annex A.

### 2. 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.

#### 2.1 General Conditions

2030 (2013-06-27), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

#### 2.2 Supplemental General Conditions

4001 (2013-01-28), *Hardware Purchase, Lease and Maintenance* and 4003 (2010-08-16) *Licensed Software* apply to and form part of the Contract.

### 3. Security Requirement

3.1 The following security requirement (SRCL and related clauses) applies and form part of the Contract.

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to PROTECTED information, assets or sensitive work site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by CISD/PWGSC.
3. The Contractor/Offeror MUST NOT remove any PROTECTED information or assets from the identified work site(s), and the Contractor/Offeror must ensure that its personnel are made aware of and comply with this restriction.
4. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
5. The Contractor/Offeror must comply with the provisions of the:
  - (a) Security Requirements Check List and security guide (if applicable), attached at Annex C;
  - (b) Industrial Security Manual (Latest Edition).

**4. Term of Contract****4.1 Period of the Contract**

While all deliverables are requested by January 1, 2014, the best that could be offered is \_\_\_\_\_ .

**5. Authorities****5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Ian Taylor  
Title: Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch  
Directorate: Western Region  
Address: 5th Floor, Telus Plaza North, 10025 Jasper Avenue, Edmonton, AB T5J 1S6  
Telephone: 780-497-3621  
Facsimile: 780-497-3510  
E-mail address: Ian.Taylor@pwgsc-tpsgc.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.

**5.2 Project Authority**

The Project Authority for the Contract is: (will be released at contract award)

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone : \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

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.

### 5.3 Technical Authority

The Technical Authority for the Contract is: (will be released at contract award)

Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Organization: \_\_\_\_\_  
 Address: \_\_\_\_\_

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

The Technical Authority named above 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 Technical Authority, however the Technical 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.

### 5.4 Contractor's Representative (To be completed by the contractor and submitted at time of bid.)

Name: \_\_\_\_\_  
 Organization: \_\_\_\_\_  
 Address: \_\_\_\_\_

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

## 6. Payment

### 6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price, as specified in the contract. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

### 6.2 Limitation of Price

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

### 6.3 Single Payment

*SACC Manual* clause H1000C (2008-05-12) Single Payment

### 6.4 SACC Manual Clauses

A9117C (2007-11-30), T1204 - Direct Request by Customer Department

## 7. Invoicing Instructions

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.

## 8. Certifications

### 8.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation 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.

## 9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Alberta.

## 10. 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) the supplemental general conditions 4001 (2013-01-28), Hardware Purchase, Lease and Maintenance;
- (c) the supplemental general conditions 4003 (2010-08-16) Licensed Software;
- (d) the general conditions 2030 (2013-06-27), General Conditions - Higher Complexity - Goods;
- (e) Annex A, Statement of Work;
- (f) Annex B, Basis of Payment;
- (g) Annex C, Security Requirements Check List;
- (h) the Contractor's bid dated \_\_\_\_\_, (*insert date of bid*)

## 11. SACC Manual clauses

A9068C (2010-01-11), Site Regulations  
B1501C (2006-06-16), Electrical Equipment

## 12. Foreign Nationals (Canadian Contractor)

*SACC Manual* clause A2000C (2006-06-16), Foreign Nationals (Canadian Contractor)

**OR**

## 12. Foreign Nationals (Foreign Contractor)

*SACC Manual* clause A2001C (2006-06-16), Foreign Nationals (Foreign Contractor)

**13. Insurance**

SACC *Manual* clause G1005C (2008-05-12) Insurance

**14. Inspection and Acceptance**

The Project Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work 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.



Solicitation No. - N° de l'invitation

47780-146527/A

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

CBSA

Amd. No. - N° de la modif.

File No. - N° du dossier

EDM-3-36155

Buyer ID - Id de l'acheteur

edm023

CCC No./N° CCC - FMS No/ N° VME

---

## **ANNEX A**

### **REQUIREMENT**

Please see attached

**ANNEX B****BASIS OF PAYMENT**

The bidder is requested to provide the cost of a fully operational video monitoring system that meets with requirements listed in Annex A.

- Firm Lot Price is FOB Destination and includes all delivery and installation charges to the location below. This includes, but is not limited to packaging, labelling and brokerage fees.
- Firm Lot Price does not include GST. GST will be added as a separate line item to any invoice issued as a result of a Contract.
- Firm Price is in Canadian Dollars.

Delivery and installation to: Enforcement and Intelligence Division building  
10345 - 104 Street, Edmonton, AB

Item	Description	Cost
1	Video monitoring system <ul style="list-style-type: none"> <li>• Including but not limited to supply, installation, and training</li> </ul>	\$_____/lot
<b>Total Evaluated Price</b>		<b>\$_____</b>

**Summary of Costs** *(to be included with the above)*

It is requested of the bidder to provide a breakdown of their costs to meet the entire requirement.

The bidder is to include but is not limited to include the following:

- All the items/goods that are required.
- Total labour costs.
- Licensing details.

Solicitation No. - N° de l'invitation

47780-146527/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

edm023

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

CBSA

EDM-3-36155

---

## **ANNEX C**

### **SECURITY REQUIREMENTS CHECK LIST**

Please see attached SRCL

# **ANNEX A - REQUIREMENT**

Edmonton – EIOD Project  
Video Monitoring System Technical Specifications

## Table of Contents

Section 1 – Video Monitoring System .....	3
Objective .....	3
Background .....	3
Scope .....	3
Notice .....	3
Tasks .....	3
Cameras .....	3
Workstations .....	4
Storage Server .....	5
Network, Wiring and Cabling .....	5
Video Management Software .....	6
Deliverables .....	6
Constraints .....	6
Compliance Verification Testing .....	7
Client Support .....	7
Training .....	7
Warranty, Maintenance and Service Level Agreement .....	8
Section 2 – Technical Requirements .....	9
Table 1 – Camera Location and Identifier .....	9
Table 2 – Viewing Station Requirements .....	11
Table 3 – Camera General Requirements .....	12
Table 4 – Indoor Dome Camera .....	13
Table 5 – Cell Camera .....	13
Table 6 – Outdoor PTZ Camera .....	14
Table 7 – Outdoor Camera .....	15
Table 8 – Server Requirements .....	16
Table 9 – UPS Requirements .....	17
Table 10 – Management/Failover Server Requirements .....	18
Table 11 – Video Storage Server Requirements .....	19
Section 3 – Distribution Diagram .....	20
Section 4 – Camera Layout .....	21
Appendix 1 – Rack Specifications .....	21

## Section 1 – Video Monitoring System

### Objective

This requirement is for the supply, delivery and installation of a fully operational video monitoring system (VMS) for the Canada Border Services Agency (CBSA) Enforcement and Intelligence Division (EIOD) Project in Edmonton, Alberta.

### Background

In light of the new construction of the EIOD building in Edmonton, a fully operational IP video surveillance system consisting of thirty-eight (38) high definition capable cameras are required in order to protect CBSA employees and assets, as well as to maintain the safety and security of employees and the general public, while respecting Canadian laws regarding privacy rights of individuals and employees.

### Scope

The work consists of supplying, delivering and installing a complete, high quality VMS, which includes all necessary components (hardware and software) for a fully operational system at the EIOD CBSA building.

### Notice

1. All hardware and software supplied for the system must be supported by the latest Milestone XProtect® Corporate video management software.
2. The Milestone VMS has been pre-selected in order to ensure a consistency across the Prairie Region, and to more effectively and efficiently manage the system.

### Tasks

1. Provide and install a functional system in compliance with each specific manufacturer's installation guidelines, whether or not all required parts, components, systems, software or accessories are specified in the project's documents.
2. Installation, connection, programming and verification of all new devices in accordance to CBSA's technical and operational requirements.
3. The VMS must meet or exceed all criteria and specifications as stated in *Section 2 - Technical Requirements*.

### Cameras

1. All cameras must be in accordance with *Section 2 – Technical Requirements* as well as with their respective tables indicated in *Section 2 - Table 1 – Camera Locations and Identifier*.
2. Thirty-eight (38) cameras must be supplied and installed in the work area identified in *Section 2 - Table 1 – Camera Locations and Identifier* and *Section 4 – Camera Layout*.
3. Four (4) cameras must be supplied as spare cameras as per *Table 1 – Camera Location and Identifier*.

4. All cameras, where applicable, must be recessed into the ceiling for better concealment using a ceiling mount bracket. Only the dome portion of the camera should be seen and all cabling must be behind the dome. The dome mount should not allow any gap between the wall and the fixture.
5. All cameras must use the latest firmware for that device.

## Workstations

*Please note that unless otherwise mentioned, all workstations must be accompanied by a 24" HD monitor equivalent to a HP Compaq LA2405wg or Samsung BX2450. Furthermore, all 40" viewing stations must be at minimum equivalent to a Samsung SMT4023.*

1. All workstations must meet or exceed the requirements identified in *Section 2 – Table 2 - Workstations* unless otherwise mentioned.
2. M-16 - One (1) workstation must be installed in the Documentation room.
  - 2.1. One workstation will be identified as workstation B.
  - 2.2. A network printer must be supplied, installed and configured in the Documentation room according to CBSA requirements.
3. M-16 - One (1) workstation must be installed in the first floor LAN room.
  - 4.1. One workstation will be identified as workstation C.
  - 4.2. HDMI over IP extenders must be used to deliver video to each of the three monitors located in B-01 and M-08. Workstation must support configuration of each of the three monitors.
4. B-01 – One (1) 40" monitor must be installed six feet from ground height on the wall to the right of the overhead parking garage door.
  - 3.1. The monitor should be located reasonably close to the overhead parking garage door.
  - 3.2. The monitor must be equipped with hardware that enables tilt and swivel.
  - 3.3. A standard 15-amp duplex receptacle must be installed behind the monitor to provide power to the monitor may be required. To be determined at time of site visit.
  - 3.4. A HDMI over IP extender must be provided to connect the monitor to the workstation located in the first floor LAN room identified as workstation C.
5. M-08 – One (1) 40" monitor must be installed nine feet from ground height on the wall that borders with M-09.
  - 4.1. The monitor should be centered along this wall providing for the best visibility from the workstation area. Exact location will be decided onsite by CBSA.
  - 4.2. The monitor must be equipped with hardware that enables tilt and swivel.
  - 4.3. A standard 15-amp duplex receptacle must be installed behind the monitor to provide power to the monitor may be required. To be determined at time of site visit.
  - 4.4. A HDMI over IP extender must be provided to connect the monitor to the workstation located in the first floor LAN room identified as workstation C.
6. M-08 – One (1) 40" monitor must be installed six feet from ground height on the wall that borders with ST-2.
  - 5.1. The monitor should be centered along this wall providing for the best visibility from the workstation area. Exact location will be decided onsite by CBSA.

- 5.2. The monitor must be equipped with hardware that enables tilt and swivel.
- 5.3. A standard 15-amp duplex receptacle must be installed behind the monitor to provide power to the monitor may be required. To be determined at time of site visit.
- 5.4. A HDMI over IP extender must be provided to connect the monitor to the workstation located in the first floor LAN room identified as workstation C.
7. Room S-01 - One (1) workstation must be installed in the Manager's office. Location will be confirmed onsite by the CBSA.
8. Room S-09 - One (1) 40" viewing station must be installed at a nine feet from ground height on the wall that borders with Room S-10.
  - 7.1. The monitor should be centered along this wall providing for the best visibility from the workstation area.
  - 7.2. The monitor must be equipped with hardware that enables tilt and swivel.
  - 7.3. A standard 15-amp duplex receptacle must be installed behind the monitor to provide power to the monitor may be required. To be determined at time of site visit.
  - 7.4. A HDMI over IP extender must be provided to connect the monitor to the workstation located in room S-08. Exact location to be determined at time of site visit.
9. Room S-27 - One (1) rackmount monitor with KVM must be installed in the CCTV room which will serve as the primary display for the management/failover server and the video storage server in the server rack.

### Storage Server

1. The storage server must meet or exceed the requirements in *Section 2 – Technical Requirements* and must ensure optimal performance for forty two (42) cameras which includes but is not limited to live video and playback.
2. One (1) hot-swappable HDD compatible with the supplied storage media must be provided as a spare.

### Network, Wiring and Cabling

1. For detailed cabling specifications, please refer to document: Agency Telecommunications Cabling Specification Document for: *New Building Fit-up, Edmonton-Alberta dated 27 September 2012*.
2. The supply and installation of the required cabling, including low voltage power cable where required and electrical source to all designated equipment must be completed by the contractor if not already provided by the CBSA. This includes building exterior camera mount locations when power is required to heat the exterior camera shroud. All finishes must be aesthetically pleasing.
3. The network must be optimized to provide high quality, smooth, clear video images to the server and monitoring stations simultaneously.
4. The network must be able to operate without interruption using the H.264 codec at 30 frames per seconds.
5. All cabling to connect network devices (computers, Internet protocol (IP) cameras, power over Ethernet (PoE) switches, etc.) must be Category 6 UTP-4 pair cabling unless otherwise mentioned.
6. All Category 6 UTP-4 cables for cameras have been terminated with RJ45 connectors at both ends.
7. The PoE switches provided must meet the following:
  - 7.1. PoE switches must be Gigabit speed.



- 7.2. PoE switches must be able to support additional connections including additional PTZ cameras.
- 8. A Fortigate 80-C unit must be supplied and installed in the server cabinet to enable remote viewing capability.
  - 8.1. The Fortigate 80-C configuration will be done by the CBSA.

## Video Management Software

- 1. The VMS must use the most recent version of Milestone XProtect® Corporate.
- 2. Provide forty-two (42) Milestone XProtect® Corporate camera channels. (Device Licence Keys).

## Deliverables

- 1. At commissioning, the contractor will provide two (2) hard and two (2) soft copies of the Operations and Maintenance (O & M) manuals in English and French for each system provided under this contract. This includes data for each type of product and features and operating sequences, both automatic and manual.
- 2. The operational manual should include all manufacturer recommended equipment maintenance requirements, with a complete description of all maintenance procedures required on all installed equipment including time intervals (hour usage), required inspection, periodic maintenance, fault diagnosis and repair/replacement of components.
- 3. Installation guide, system documentation, system structure and setup information must be made available to the CBSA.
- 4. The contractor will provide a spreadsheet which will display each component (physical or virtual), its IP address and its location within the site.
  - 4.1. The camera IP addresses must reflect the camera numbers identified in the drawings in order to keep consistency and for ease of reference.
- 5. System operation must be made available to the CBSA.
- 6. User documentation must clearly define procedures for all processes.
- 7. Documentation can be copied and distributed within the CBSA without restriction.
- 8. **Note:** All documentation and training material provided (hard and soft copy) must be created using the MS Office Suite of Products.

## Constraints

- 1. The contractor must adhere to CBSA requirements for the installation of the video network and power cabling infrastructure.
- 2. The contractor must be professional and reliable and provide knowledge, labor, materials, tools, equipment and services to install equipment, devices and components required for a complete operational audio/video system. All finishes must have a professional appearance
- 3. Additional exterior backing may be required to support the exterior camera mounts.
- 4. The contractor will be responsible to extend the pathway from the junction box or end of conduit pathway (installed by others) to the location where camera is to be mounted. The contractor is required to supply and install all necessary materials associated with extending the pathways and

materials associated with providing a proper mounting base for the camera (this will include all pathways to external cameras mounting on the building exterior). In locations where the ceiling is open (example: the parking garage), the contractor must supply and install a core line (confirm colour with CBSA CCTV Rep. for approval) type pathway from the junction box or end of conduit pathway (installed by others) to the location where the camera is to be mounted.

5. All software updates must be completed onsite by the contractor, as remote connection will not be permitted.
6. The configuration of the VMS must be done by someone with a valid Milestone certification card on the Milestone XProtect® platform being provided.

## Compliance Verification Testing

1. The contractor must perform compliance verification tests with the project authority, prior to final delivery and acceptance of the system. The contractor must provide personnel, equipment, instruments and other supplies to perform the test. The compliance test must demonstrate that the installed VMS components function and comply with the project technical expectation and specifications.
2. All physical and functional system requirements must be demonstrated as operable.
3. Camera positioning and performance are to CBSA's satisfaction.
4. The contractor must provide a weekly report on the installation status of the VMS to the project authority.

## Client Support

1. All Category 6 cabling has been provided for each camera and workstation locations.
2. The server racks have been provided under a separate scope of work. Please refer to *Appendix 1 – Rack Specifications*.

## Training

1. Four training sessions must be provided using the installed system within one month after the installation acceptance of the completed system.
2. The training must be done by a certified Milestone user.
3. Training must be provided at customer site. It will take place during week-days, between 7am and 5pm. The contractor will establish a training schedule with CBSA prior to the training sessions.
4. The training will consist but is not limited to the following aspects:
  - 4.1. System overview.
  - 4.2. Smart Client – video extraction, bookmarking, playback, view creation, etc.
5. Documentation must be specific to each target audience and must provide functional descriptions for each component.
6. The training must be:
  - 6.1. Computer based with practical examples. (Ex: video extraction, bookmarking, etc.).
  - 6.2. Customized to meet customer requirements to specific target audience.
7. Training documentation must be available to all trainees in both English and French.

## Warranty, Maintenance and Service Level Agreement

1. The warranty must include all equipment, software and documentation must perform in accordance with and confirm to all applicable standards, requirements, specifications, description and other requirements included in their proposal and must be without defects in materials, workmanship and design. The warranty will commence upon completion and sign-off as defined by the CBSA.
2. Expose, and assign to the CBSA, any manufacturer's warranties. Include for 48 months all inclusive parts and labour with 48 months warranty as part of the tender price. Also, include software maintenance for the period of 48 months.
3. As a minimum during the warranty period and at no extra cost to CBSA, the Contractor must include a guaranteed response time of two (2) hours for a major system failure and eight (8) hours for a minor system failure on a 24 hour per day, 7 days per week basis. A major system failure will be defined as the failure of any operator controls as well as any system controller, server or communication link which renders more than 10% of a specific security subsystem of systems inoperative. A minor system failure will be defined as the failure of a single camera, workstation or monitor, etc.
4. Preventative and corrective maintenance performed by a maintenance contractor other than this Contractor after or during the warranty period will not void warranty on labour, hardware and software provided by this Contractor.
5. The contractor must provide hot-line engineering help desk telephone support to answer any questions and provide any assistance as required for CBSA.

## Section 2 – Technical Requirements

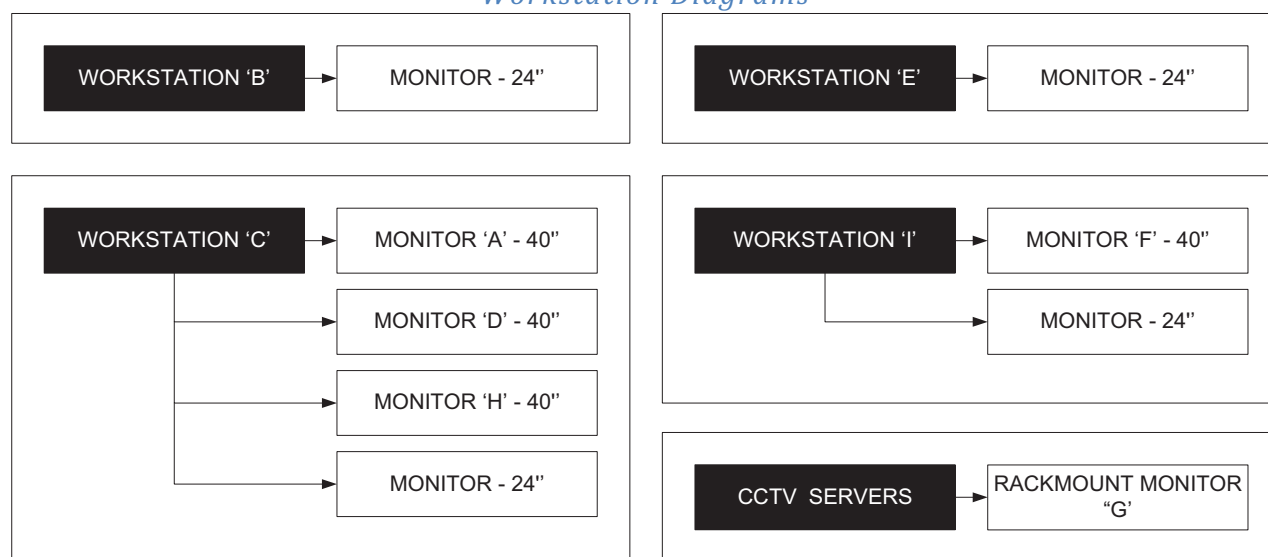
**Table 1 – Camera Location and Identifier**

Camera	Location (Room Number)	Camera Details (Cameras are also subject to Table 2 – Camera Requirements)
1	F1 – NE North Wall	Outdoor PTZ
2	F1 – NE East Wall	Outdoor PTZ
3	F1 – SE East Wall	Outdoor PTZ
4	F1 – SE South Wall	Outdoor
5	F1 – Elevator	Indoor Dome
6	F1 – M-06 Elevator Corridor	Indoor Dome
7	F1 – M-01 Vestibule	Indoor Dome
8	F1 – M-03 CID Interview Room	Indoor Dome
9	F1 – ST-1 West Stair	Indoor Dome
10	F1 – M-03 CID Interview Room	Indoor Dome
11	F1 – M-04 Reception	Indoor Dome
12	F1 – M-11 Secure Corridor East	Indoor Dome
13	F1 – M-13 Fingerprint	Indoor Dome
14	F1 – M-09 Corridor	Indoor Dome
15	F1 – M-10 NE Hearing	Indoor Dome
16	F1 – M-10 SW Hearing	Indoor Dome
17	F1 – M-19 Wet Cell	Indoor Dome
18	F1 – M-20 Wet Cell	Indoor Dome
19	F1 – M-21 Wet Cell	Indoor Dome
20	F1 – M-22 Wet Cell	Indoor Dome
21	F1 – M-17 Interview Room	Indoor Dome (microphone input)
22	F1 – M-18 Interview Room	Indoor Dome (microphone input)
23	F1 – M-25 Arming Room	Indoor Dome
24	F1 – M-11 Secure Corridor West	Indoor Dome
25	F1 – SW West Wall	Outdoor
26	F1 – ST-2 East Stair	Indoor Dome
27	F1 – West, SW Wall of M-32	Outdoor PTZ
28	F1 – NW West Wall	Outdoor
29	F2 – S-03 Elevator Vest	Indoor Dome

30	F2 – S-10 Evidence Bond	Indoor Dome
31	F2 – S-20 Equip File & Bond	Indoor Dome
32	P – ST-1 West Stair	Outdoor
33	P – B-01 Parking North	Outdoor
34	P – B-01 Parking South	Outdoor
35	P – B-03 Elevator Vest	Outdoor
36	P – B-01 Parking Ramp South	Outdoor
37	P – B-01 Parking Ramp North	Outdoor
38	P – B-01 Parking West Wall	Outdoor
39	Spare	Outdoor PTZ
40	Spare	Indoor Dome
41	Spare	Indoor Dome
42	Spare	Indoor Dome

Reference	Room	Location	Monitor Comments
Monitor A	M-08	Workstations	40". Connected to workstation C.
Workstation B	M-16	Documentation Room	24" supplied.
Workstation C	M-15	First floor LAN Room	24" supplied.
Monitor D	M-08	Workstations	40". Connected to workstation C.
Workstation E	S-01	Office	24" supplied.
Monitor F	S-09	Office	40". Connected to workstation I.
Monitor G	S-27	CCTV	Rackmount console with monitor and keyboard. Links to management/failover server and video storage server in server rack through a KVM switch.
Monitor H	B-01	Parking	40". Connected to workstation C.
Workstation I	S-09	Workstations	24" supplied.

## Workstation Diagrams



**Table 2 - Viewing Station Requirements**

Viewing Station		
All stated requirements are mandatory.		
<i>The viewing station is where the video management system client software is installed. This computer will be used to perform live monitoring of video</i>		
<b>Monitor</b>	24" - Must be one (1) 24 inch or larger connected LCD or LED displays through HDMI. 40" - Must be one (1) 40 inch or larger connected LCD or LED displays through HDMI or VGA.	
<b>Resolution</b>	Must be configured with a 1920 X 1080 image resolution on each display.	
<b>Workstation</b>	Windows 7 Professional  Minimum system requirements: 8 GB RAM 1 TB Storage  Hard drive partitioned with minimum 250 GB for OS/Applications and minimum 750 MB for exported video.	
<b>Processor</b>	Cores	4 or more
	Clock Speed	4 Core: 2.4 GHz or greater 6 Core 1.8 GHz or greater
	Instruction Set	64-bit
	Intel Core i7 4770 or equivalent	
<b>DVD Burning Capability</b>	Must have an installed DVD burner.	
<b>USB Exporting</b>	Must allow for the files to be exported and saved onto a USB (in addition to being exported and saved onto a DVD).	
<b>Software</b>	Milestone Smart Client Microsoft .NET 4.0 Framework DirectX 9.0	

**Table 3 – Camera General Requirements**

<b>General Camera Requirements</b> <i>All stated requirements are mandatory.</i> <i>Intent is that cameras are IP and interoperable with a large number of video management systems, and which supports third parties such as video analytics without relying on a proprietary API.</i>
<b>Open Architecture</b> Camera must provide an application programming interface (API) for system integration: <ul style="list-style-type: none"><li>Direct access to video stream using a URL.</li><li>Software Development Kit (SDK) to control, and change camera settings remotely. It must be ONVIF compliant. It must be possible to change all of the following settings remotely: Resolution, Video Compression, Network settings, Frame rate.</li></ul>
<b>Video</b> Camera must support the following video settings: <ul style="list-style-type: none"><li>Multiple compression formats, not limited to, but supporting MJPEG and H.264.</li><li>Resolution and frame rate must be controllable for each stream, and camera must support at least dual stream video and support simultaneous streaming of different formats.</li></ul>
<b>Power</b> Camera must be Power over Ethernet compatible. Camera may have additional power sources (i.e. High PoE) for PTZ functionality, cooling or heating units.
<b>Environment</b> The cameras must be able to function in the environment they reside. (Ex: Exterior enclosures must be able to provide heating and cooling to the cameras in order to function during temperature changes.)
<b>Testing</b> All cameras must be thoroughly tested prior to installation. Cameras must be certified to be compatible with the selected video management system.
<b>Exposure Settings</b> Must be configurable for different lighting conditions such as shutter speed, and exposure.
<b>Disabled Audio</b> All cameras must be installed without audio recording enabled.

**Table 4 – Indoor Dome Camera**

<b>Indoor Dome Camera</b> <i>All stated requirements are mandatory.</i> <i>General purpose indoor, dome cameras must be supplied. Dome, tamper proof cameras are required in public areas.</i>	
<b>Resolution</b>	Camera must have at least a 1280 X 720 image resolution.
<b>Zoom</b>	The camera must support at least a 2X optical zoom.
<b>Focus</b>	Must have remote focus such as auto focus or auto back focus.
<b>Field of View</b>	Must provide between 40 and 80 degree horizontal field of view.
<b>Frames Per Second</b>	Camera must support at least 20 frames per second at the minimum resolution specified above.
<b>Night Capability</b>	The camera must be a true Day/Night camera with a mechanical IR cut filter.
<b>Enclosure</b>	Cameras must be contained in housing and securely mounted. These cameras must be resistant to vandalism/tampering, and dome cameras are preferred. Cameras which are not dome cameras require additional enclosures.
<b>Microphone Input</b>	For cameras 21 and 22, the camera must contain an audio input jack.

Dome cameras such as Axis P3364-V or equivalent can be used. The type of lens required is dependent on the scene.

**Table 5 – Cell Camera**

Cameras installed in cells must be installed in heavy duty, vandal resistant and tamper proof enclosures. Enclosures cannot provide a hanging point. General purpose dome cameras are not sufficient and where specialized housing must be used. Cameras installed must not view a lavatory, and where audio recording must not be captured. Software solutions to prevent viewing the lavatory, such as privacy masking, are not sufficient.

<b>Cell Camera</b> <i>All stated requirements are mandatory.</i>	
<b>Resolution</b>	Camera must have at least a 1280 X 720 image resolution.
<b>Focus</b>	Must have powered focus such as auto focus or auto back focus.
<b>Field of View</b>	Must provide at least a 90 degree horizontal field of view.
<b>Frames Per Second</b>	Camera must support at least 20 frames per second at the minimum resolution specified above.
<b>Enclosure</b>	Camera(s) must be housed in heavy duty, vandal resistant and tamper proof enclosures that mount flush to the wall and ceiling. Enclosures cannot provide a hanging point

Box cameras such as Axis P1354 + Axis Corner Housing or IP Bosch EX36 or equivalent can be used. Alternative tamper proof housings can be supplied.



**Table 6 – Outdoor PTZ Camera**

<b>Outdoor PTZ Camera</b> <i>All stated requirements are mandatory.</i>	
<b>Resolution</b>	Camera must have at least a 1280 X 720 image resolution.
<b>Focus</b>	Must have remote focus such as auto focus or auto back focus.
<b>Field of View</b>	Must provide at least a 45 degree horizontal field of view.
<b>Optical Zoom</b>	The PTZ camera must support at least 10X optical zoom.
<b>Range of Motion</b>	Must have a pan range of at least 350 degrees. Must have a tilt range of at least 90 degrees.
<b>Frames Per Second (FPS)</b>	Camera must support at least 20 frames per second at the minimum resolution specified above.
<b>Environment</b>	<p>Camera assembly must be waterproof and have an operating temperature range between -40 to +40 C. Use of a custom enclosure to meet environmental requirement is acceptable but must be expressly noted.</p> <p>Camera assembly must provide protection against dust and condensation. Rated IP 65 or better.</p>

PTZ Camera such as Axis Q6034-E or equivalent.

**Table 7 – Outdoor Camera**

**Outdoor Camera**

*All stated requirements are mandatory*

*General purpose outdoor cameras must be supplied. It is strongly desired for the selected cameras to perform well in low light conditions.*

<b>Resolution</b>	Camera must have at least a 1280 X 720 image resolution.
<b>Zoom</b>	The camera must support at least a 2X optical zoom.
<b>Focus</b>	Must have remote focus such as auto focus or auto back focus.
<b>Field of View</b>	Must provide between 40 and 80 degree horizontal field of view.
<b>Frames Per Second</b>	Camera must support at least 20 frames per second at the minimum resolution specified above.
<b>Night Capability</b>	The camera must be a true Day/Night camera with a mechanical IR cut filter.
<b>Environment</b>	Camera assembly must be waterproof and have an operating temperature range between -40 to +40 C. Use of a custom enclosure to meet environmental requirement is acceptable but must be expressly noted. Rated IP65 or better.
<b>Enclosure</b>	Camera must be contained in housing and securely mounted. Cameras which are not dome cameras require external enclosures.

Dome cameras such as P3364-VE or equivalent can be used. Box cameras such as Axis P1354-E or equivalent can be used.

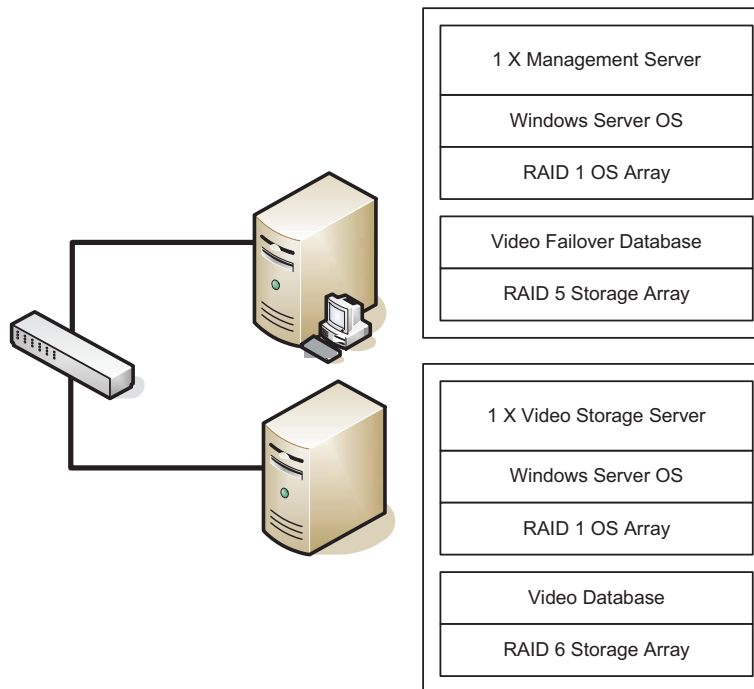
**Table 8 – Server Requirements**

**Server General Requirements**

**All stated requirements are mandatory.**

<b>General</b>	<p>The following servers must be provided:</p> <ul style="list-style-type: none"><li>1 X Management/Failover Server</li><li>1 X Video Storage Server</li></ul> <p>1 X KMM Console must also be provided.</p> <p>A single server hosts both the management application and the failover application. Video recording for all cameras should be done on the video storage server. In the event of machine failure of the video storage server, all cameras must switch to record on the management/failover server.</p> <p>This list does not include networking equipment such as switches. UPS equipment is specified separately. The detailed requirements for each type of server are in the section <i>Management/Failover Server Requirements</i> and <i>Video Storage Server Requirements</i>. The storage requirements are listed under <i>Storage</i> in the section <i>Management/Failover Server Requirements</i> and <i>Video Storage Server Requirements</i>.</p>
<b>Recording/Retention</b>	<p>All cameras must be configured to record 24/7 continuously at the minimum specified resolution and frame rate for each camera type. The minimum frame rate for recording is 15 FPS, unless otherwise specified.</p> <p>The retention time of all camera footage must be of at least 30 days.</p>
<b>Write Failover</b>	<p>The video surveillance system must continue to record all camera footage in the event of a video storage server failure.</p> <p>In the event of a machine failure of the video storage server, a failover storage server must be configured to takeover recording. Live and archived video associated with the failover storage server must be accessible at all times.</p> <p>The management software and the failover software must reside on the same physical machine. RAID 5 is required for video failover storage, and RAID 6 is required for primary video storage. RAID 1 is required for all OS/Application drives. Redundant storage of recorded video on multiple servers is not required.</p>
<b>KMM Console</b>	<p>A rackmount KMM console with KVM must be supplied in the CCTV room which will serve as the primary display for the management/failover server and the video storage server. Dell 18.5 inch 1U rackmount console or equivalent.</p>

## Server Diagram



Two servers should be provided as specified in server general requirements. The management and failover application should be installed on a single machine, and the recording application should be installed on a separate machine.

**Table 9 – UPS Requirements**

UPS Requirements	
<b>All stated requirements are mandatory.</b>	
<b><i>The UPS is required to provide 30 minutes of power to allow for the safe shutdown of all server equipment.</i></b>	
<b>Power</b>	All servers, and the associated switch, must be connected to an uninterruptible power supply (UPS) able to supply a minimum of 30 minutes of power at full power capacity during a power outage.
<b>Soft Shutdown</b>	In the event of a power outage, all servers must be configured to initiate a soft shutdown based on battery capacity and/or time delay.
<b>Connectivity</b>	UPS must be connected to each server through a network interface to initiate a soft shutdown.
<b>Output Waveform</b>	Sine wave  Output voltage distortion with less than or equal to 5% distortion at full load.
<b>Double Conversion</b>	Must be a Double Conversion On-Line UPS.
<b>Form Factor</b>	Rackmount

UPS models such as Eaton 9130 Rackmount UPS or equivalent can be used.

**Table 10 - Management/Failover Server Requirements**

Management / Failover Server Requirements

**All stated requirements are mandatory.**

*The management application refers to the component of the video management system which contains configuration settings including product licensing, camera recording settings and user permissions. The management application is also responsible for user authentication as well as any logging.*

*The failover application refers to the component of the video management system which takes over recording in the event of failure of the video storage server*

<b>Form Factor</b>	Rackmount Sliding rails with cable management arm.	
<b>Processor</b>	Number of Processors Required	2
	Cores	4 or more
	Clock Speed	2.0 GHz or higher
	Instruction Set	64-bit Intel Xeon or equivalent
	Processor such as Intel Xeon E5-2620.	
<b>Motherboard</b>	Supports Dual Socket	
<b>Memory</b>	8GB RDIMM or higher	
<b>RAID Controller</b>	RAID 1 System + RAID 5 Storage 512 MB Battery Backed Cache or higher	
<b>System/Application Drives</b>	Minimum of two (2) 2.5" or 3.5" drives must be present. The total usable capacity after RAID must be 300GB or higher. 7.2K RPM SATA or Near-Line SAS or better. RAID 1	
<b>Recording Drives</b>	Minimum of eight 3.5" hot swappable bays for storage must be present. Minimum of four (4) 3.5" 2TB hot swappable drives must be present. The total usable capacity after RAID must be 6 TB or higher. RAID 5	
<b>Power Supply</b>	Must have dual, hot-plug redundant power supplies.	
<b>OS</b>	Must have one of Windows Server 2008 R1/R2 x64 or Windows Server 2012 x64 installed.  Server must be Certified for Windows by Microsoft for the version of OS installed.	
<b>Network</b>	Must have dual 1Gb Ethernet.	
<b>Software</b>	Video Management and Failover Application must be stored on this server.  The software must support the version of OS installed.	

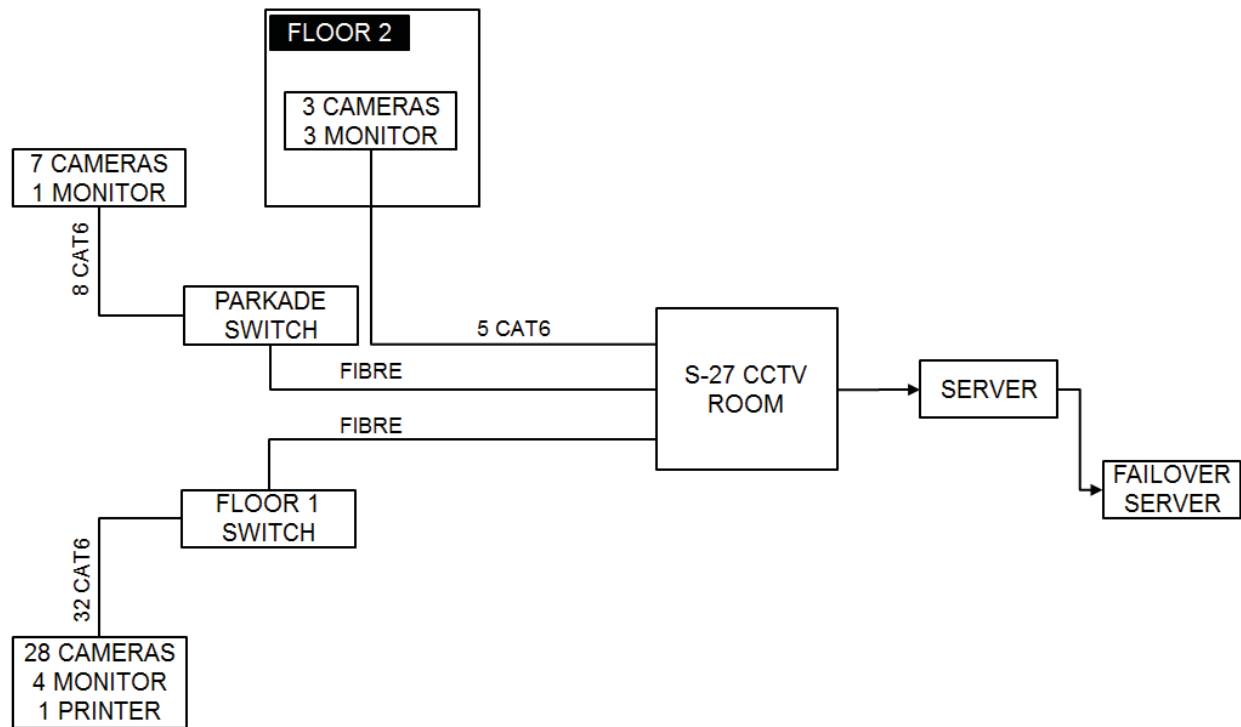
Dell R720 or equivalent configured with 2 X 300 GB SAS, 4 X 2 TB Near-Line SAS

**Table 11 - Video Storage Server Requirements****Video Storage Server Requirements****All stated requirements are mandatory.*****The recording application refers to the component of the video management system which receives camera data and archives this video data to disk.***

<b>Form Factor</b>	Rackmount Sliding rails with cable management arm.	
<b>Processor</b>	Number of Processors Required	2
	Cores	4 or more
	Clock Speed	2.0 GHz or higher
	Instruction Set	64-bit Intel Xeon or equivalent
	Processor such as Intel Xeon E5-2620.	
<b>Motherboard</b>	Supports Dual Socket	
<b>Memory</b>	8GB RDIMM or higher	
<b>RAID Controller</b>	RAID 1 System + RAID 6 Storage 512 MB Battery Backed Cache or higher	
<b>System/Application Drives</b>	Minimum of two (2) 2.5" or 3.5" drives must be present. The total usable capacity after RAID must be 300GB or higher. 7.2K RPM SATA or Near-Line SAS or better. RAID 1	
<b>Recording Drives</b>	Minimum of twelve 3.5" hot swappable bays for storage must be present. Minimum of twelve (12) 3.5" 3TB hot swappable drives must be present. The total usable capacity after RAID must be sufficient to record 30 days of footage. Hard drives not used for 30 days retention must be configured as hot spares. The total usable capacity after RAID must be 24 TB or higher. RAID 6	
<b>Power Supply</b>	Must have dual, hot-plug redundant power supplies.	
<b>OS</b>	Must have one of Windows Server 2008 R1/R2 x64 or Windows Server 2012 x64 installed.  Server must be Certified for Windows by Microsoft for the version of OS installed.	
<b>Network</b>	Must have dual 1Gb Ethernet.	
<b>Software</b>	Video Storage Application must be stored on this server.  The software must support the version of OS installed.	

Dell R720xd or equivalent configured with 2 X 300 GB SAS, 12 X 3 TB Near-Line SAS

### Section 3 – Distribution Diagram



## Section 4 – Camera Layout

A copy of the floor plans may be available to those bidders who:

- Attend the mandatory site visit, and;
- Complete form TBS 330-23 Personnel Screening Consent and Authorization

## Appendix 1 – Rack Specifications

**Extract from:** Agency Telecommunications Cabling Specification Document for: *New Building Fit-up Edmonton-Alberta dated 27 September 2012.*

**Note:** The CCTV rack specifications noted below are part of a separate scope of work.

1. Supply and install (1) **4-post** open communications rack. Each 4-post rack must have;
  - 1.1. 4-post racks must be capable of a 42" depth.
  - 1.2. Vertical CMS both sides and front and rear.
  - 1.3. Adjustable mounting rails
  - 1.4. Power bar, reference section for details.
  - 1.5. Extension Cable, reference section for details.
    - 1.5.1. One 30 amp, one 20 amp.
  - 1.6. Horizontal CMS, reference section for details.
  - 1.7. (5) Shelves (4/2U and 1/3U)
    - 1.7.1. 3U shelves must be capable of holding up to 75 pounds.
    - 1.7.2. Shelves must be adjustable and fixed on all four corners.
  - 1.8. (1) Keyboard tray.
  - 1.9. Two full bags of mounting screws and/or cage nuts, typical of the mounting rails.





Government of Canada  
Gouvernement du Canada

Contract Number / Numéro du contrat

1000316527

Security Classification / Classification de sécurité  
Unclassified

SECURITY REQUIREMENTS CHECK LIST (SRCL)

LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

<b>PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE</b>		
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine Canada Border Services Agency	2. Branch or Directorate / Direction générale ou Direction Prairie Region, CPSD, Security	
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail With the new construction of the EIOD Build in Edmonton, AB, thirty-eight (38) cameras are required in order to provide safety and security to CBSA employees. The work consists of supplying and installing a complete, high quality VMS, which includes all necessary components (hardware and software) for a fully operational system at the EIOD Edmonton.		
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées? <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui		
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui		
6. Indicate the type of access required / Indiquer le type d'accès requis		
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c) <input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui		
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui		
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit? <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui		
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès		
Canada <input checked="" type="checkbox"/> NATO / OTAN <input type="checkbox"/> Foreign / Étranger <input type="checkbox"/>		
7. b) Release restrictions / Restrictions relatives à la diffusion		
No release restrictions Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>	All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	
Not releasable À ne pas diffuser <input type="checkbox"/>		
Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	Restricted to: / Limité à: Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	
7. c) Level of information / Niveau d'information		
PROTECTED A PROTÉGÉ A <input type="checkbox"/>	NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A PROTÉGÉ A <input type="checkbox"/>
PROTECTED B PROTÉGÉ B <input checked="" type="checkbox"/>	NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B PROTÉGÉ B <input type="checkbox"/>
PROTECTED C PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>	NATO SECRET NATO SECRET <input type="checkbox"/>	CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>
SECRET SECRET <input type="checkbox"/>	COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET SECRET <input type="checkbox"/>
TOP SECRET TRÈS SECRET <input type="checkbox"/>		TOP SECRET TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>





Government of Canada  
Gouvernement du Canada

Contract Number / Numéro du contrat

1000316527

Security Classification / Classification de sécurité

Unclassified

**PART A (continued) / PARTIE A (suite)**

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?

Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS?

☒ No ☐ Yes  
Non Oui

If Yes, indicate the level of sensitivity:

Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?

Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate?

☒ No ☐ Yes  
Non Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel :

Document Number / Numéro du document :

**PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)**

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

- |   |   |   |  |
|---|---|---|--|
| <input checked="" type="checkbox"/> RELIABILITY STATUS<br>COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL<br>CONFIDENTIEL           | <input type="checkbox"/> SECRET<br>SECRET           | <input type="checkbox"/> TOP SECRET<br>TRÈS SECRET               |
| <input type="checkbox"/> TOP SECRET - SIGINT<br>TRÈS SECRET - SIGINT        | <input type="checkbox"/> NATO CONFIDENTIAL<br>NATO CONFIDENTIEL | <input type="checkbox"/> NATO SECRET<br>NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET<br>COSMIC TRÈS SECRET |
| <input type="checkbox"/> SITE ACCESS<br>ACCÈS AUX EMPLACEMENTS              |   |   |  |

Special comments:

Commentaires spéciaux : Contractors will require escort when working in operations and security zones.

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?

Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail?

☒ No ☐ Yes  
Non Oui

If Yes, will unscreened personnel be escorted?

Dans l'affirmative, le personnel en question sera-t-il escorté?

☐ No ☐ Yes  
Non Oui

**PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)**

**INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS**

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?

Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS?

☒ No ☐ Yes  
Non Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?

Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC?

☒ No ☐ Yes  
Non Oui

**PRODUCTION**

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?

Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ?

☒ No ☐ Yes  
Non Oui

**INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)**

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?

Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS?

☒ No ☐ Yes  
Non Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?

Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale?

☒ No ☐ Yes  
Non Oui



Government  
of Canada

Gouvernement  
du Canada

Contract Number / Numéro du contrat

1000316527

Security Classification / Classification de sécurité  
Unclassified

**PART C - (continued) / PARTIE C - (suite)**

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire **manuellement** doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form **online** (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire **en ligne** (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

**SUMMARY CHART / TABLEAU RÉCAPITULATIF**

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET
											CONFIDENTIEL	TRÈS SECRET	NATO DIFFUSION RESTREINTE			
Information / Assets Renseignements / Biens Production	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Media / Support TI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Link / Lien électronique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?

La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

☒ No  
Non

☐ Yes  
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".

Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée

« Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?

La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

☒ No  
Non

☐ Yes  
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).

Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée

« Classification de sécurité » au haut et au bas du formulaire et indiquer qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).