

**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**

Departmental Individual Standing Offer (DISO)

Offre à commandes individuelle du département(OCID)

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**

Consultant Services Division/Division des services  
d'experts-conseils  
11 Laurier St./11 Rue Laurier  
3C2, Place du Portage  
Phase III  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> General Architectural SO	
<b>Solicitation No. - N° de l'invitation</b> EP168-130975/A	<b>Date</b> 2013-08-19
<b>Client Reference No. - N° de référence du client</b> 20130975	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$\$\$FE-102-63325
<b>File No. - N° de dossier</b> fe102.EP168-130975	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-09-30</b>	<b>Time Zone Fuseau horaire</b> Eastern Daylight Saving Time EDT
<b>Delivery Required - Livraison exigée</b> See Herein	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Boucher, Francine M.	<b>Buyer Id - Id de l'acheteur</b> fe102
<b>Telephone No. - N° de téléphone</b> (819)956-6043 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Various locations National Capital Area	
<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 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 (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>

## REQUEST FOR STANDING OFFER (RFSO)

### TABLE OF CONTENTS

Front Page

SUPPLEMENTARY INSTRUCTIONS TO PROPONENTS (SI)

**SI 1 CODE OF CONDUCT AND CERTIFICATIONS - RELATED DOCUMENTATION**

**SI 2 FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY -  
CERTIFICATION**

**SI 3 SECURITY REQUIREMENTS**

General Instructions to Proponents (GI)

Standing Offer Particulars (SP)

Terms and Conditions

General Conditions (GC)

Supplementary Conditions (SC)

Terms of Payment (TP)

Consultant Services (CS)

Calculation of Fees (CF)

Standing Offer Brief - Required Services (RS)

Submission Requirements and Evaluation (SRE)

Appendix A - Declaration/Certifications Form

Appendix B - Price Proposal Form

Appendix C - Team Identification

Appendix D - Doing Business with the National Capital Area (NCA)

## SUPPLEMENTARY INSTRUCTIONS TO PROPONENTS (SI)

### SI 1 CODE OF CONDUCT AND CERTIFICATIONS - RELATED DOCUMENTATION

**Refer to section entitled Code of Conduct and Certifications - Proposal under the General Instructions to Proponents.**

By submitting a proposal, the Proponent certifies that the Offeror and his affiliates are in compliance with the provisions as stated in the Code of Conduct and Certifications clause of the General Instructions to Proponents. The related documentation therein required will assist Canada in confirming that the certifications are true.

### SI 2 FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

By submitting a proposal, the Proponent certifies that the Proponent, and any of the Proponent's members if the Proponent is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (<http://www.hrsdc.gc.ca/eng/labour/index.shtml>) available from [HRSDC-Labour's website](#).

Canada will have the right to declare a proposal non-responsive, or to set-aside a Standing Offer, if the Proponent, or any member of the Proponent if the Proponent is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" 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 Consultant, or any member of the Consultant if the Consultant is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list during the period of the contract.

The Proponent must provide the Contracting Authority with a completed Federal Contractors Program for Employment Equity - Certification (see Appendix A - Declaration/Certifications Form), before the issuance of a Standing Offer. If the Proponent is a Joint Venture, the Proponent must provide the Contracting Authority with a completed Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

### SI 3 SECURITY REQUIREMENTS

Proponents are hereby informed that there is a strong possibility that some call-ups against the Standing Offers might require that the consultants and their personnel possesses a Facility Security Clearance (FSC) at the SECRET level issued by the Canadian Industrial Security Directorate (CISD) of Public Works and Government Services Canada (PWGSC).

Should the successful proponents not have the level of security indicated above, PWGSC shall sponsor the successful proponents so CISD can initiate procedures for security clearance. CISD, by letter, shall forward documentation to the successful proponents for completion.

Proponents desiring such sponsorship should so indicate in their covering letter with their proposal.

Successful proponent(s) issued a standing offer as a result of this RFSO, not possessing the required security clearance at time of call up, will be bypassed and PWGSC will proceed to the next consultant who possesses the required security clearance and it is furthest away from the ideal business distribution. Refer to the Standing Offer Particulars for information regarding ideal business distribution.

Proponents are hereby informed that there is a possibility that call-ups may be required by Public Safety Canada (PS Canada). Prior to acceptance of these call-ups consultants and their personnel will have to undergo additional security measures, including but not limited to a security interview and/or briefing by PS Canada and polygraph examination as part of PS Canada's standard screening process. Proponents desiring to participate in a PS Canada Screening process should indicate this in their covering letter with their proposal.

Note: There are multiple levels of personnel security screenings associated with these call-ups.

**GENERAL INSTRUCTIONS TO PROPONENTS (GI)****Code of Conduct and Certifications - Proposal**

- GI 1 Introduction
- GI 2 Procurement Business Number
- GI 3 Contracting Authority
- GI 4 Departmental Representative
- GI 5 Quantity
- GI 6 PWGSC Obligation
- GI 7 Responsive Proposals
- GI 8 Communications - Solicitation Period
- GI 9 Overview of Selection Process
- GI 10 Submission of Proposal
- GI 11 Non-Acceptance of Electronically Transmitted Proposals
- GI 12 Evaluation of Price
- GI 13 Limitation of Submissions
- GI 14 Licensing Requirements
- GI 15 Rejection of Proposal
- GI 16 Not applicable
- GI 17 Insurance Requirements
- GI 18 Joint Venture
- GI 19 Late Submissions
- GI 20 Definition of Proponent and Legal Capacity
- GI 21 Debriefing
- GI 22 Financial Capability
- GI 23 Revision of Proposal
- GI 24 Performance Evaluation
- GI 25 Proposal Costs
- GI 26 Conflict of Interest - Unfair Advantage
- GI 27 Limitation of Liability
- GI 28 Status and Availability of Resources

## GENERAL INSTRUCTIONS TO PROPONENTS

### Code of Conduct and Certifications - Proposal

1. Proponents must comply with the Code of Conduct for Procurement (<http://www.tpsgc-pwgsc.gc.ca/app-acq/cndt-cndct/contexte-context-eng.html>). In addition to the Code of Conduct for Procurement, proponents must a) respond to Requests for Standing Offers (RFSO) in an honest, fair and comprehensive manner, b) accurately reflect their capacity to satisfy the requirements stipulated in the RFSOs, Standing Offers and resulting contracts, c) submit proposals and enter into contracts only if they will fulfill all obligations of the Contract.
2. Proponents further understand that, to ensure fairness, openness and transparency in the procurement process, the commission of certain acts or offences will render them ineligible to be issued a Standing Offer and awarded a contract. Canada will declare non-responsive any proposal in respect of which the information herein requested is missing or inaccurate, or in respect of which the information contained in the certifications specified hereinafter is found to be untrue, in any respect, by Canada. If it is determined, after issuance of a Standing Offer, that the Proponent made a false declaration, Canada will have the right to set aside the Standing Offer and to terminate for default any resulting contracts. The Proponent will be required to diligently maintain up-to-date the information herein requested. The Proponent and any of the Proponent's affiliates, will also be required to remain free and clear of any acts or convictions specified herein during the period of any Standing Offer arising from this RFSO and any call-ups made against the Standing Offer.
3. For the purpose of this section, everyone, including but not limited to organizations, bodies corporate, societies, companies, firms, partnerships, associations of persons, parent companies and subsidiaries, whether partly or wholly-owned, as well as individuals and directors, are Proponent's affiliates if:
  - a. directly or indirectly either one controls or has the power to control the other, or
  - b. a third party has the power to control both.

Indicia of control, include, but are not limited to, interlocking management or ownership, identity of interests among family members, shared facilities and equipment, common use of employees, or a business entity created following the acts or convictions specified in this section which has the same or similar management, ownership, or principal employees, as the case may be.

4. Proponents who are incorporated, including those submitting proposals as a joint venture, must provide with their proposal or promptly thereafter a complete list of names of all individuals who are currently directors of the Proponent. Proponents submitting proposals as sole proprietorship, including those submitting proposals as a joint venture, must provide with their proposal or promptly thereafter the name of the owner. Proponents submitting proposals as societies, firms, or partnerships do not need to provide lists of names. If the required names have not been received by the time the evaluation of proposals is completed, Canada will inform the Proponent of a time frame within which to provide the information. Failure to comply will render the proposal non-responsive. Providing the required names is a mandatory requirement for a Standing Offer to be issued.

Canada may, at any time, request that an Proponent provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) for any

or all individuals aforementioned within the time specified. Failure to provide such Consent Forms within the time period provided will result in the proposal being declared non-responsive.

5. The Proponent must diligently maintain an up-to-date list of names by informing Canada in writing of any change occurring during the validity period of the proposal as well as during the period of any Standing Offer arising from this RFSO and any call-ups made against the Standing Offer. The Proponent must also, when so requested, provide Canada with the corresponding Consent Forms.
6. By submitting a proposal, the Proponent certifies that it is aware, and that its affiliates are aware, that Canada may request additional information, certifications, consent forms and other evidentiary elements proving identity or eligibility. Canada may also verify the information provided by the Proponent, including the information relating to the acts or convictions specified herein, through independent research, use of any government resources or by contacting third parties.
7. By submitting a proposal, the Proponent certifies that neither the Proponent nor any of the Proponent's affiliates have directly or indirectly, paid or agreed to pay, and will not, directly or indirectly, pay a contingency fee to any individual for the solicitation, negotiation or obtaining of the Standing Offer and any call-ups made against the Standing Offer if the payment of the fee would require the individual to file a return under section 5 of the Lobbying Act.
8. By submitting a proposal, the Proponent certifies that no one convicted under any of the provisions under a) or b) are to receive any benefit under a Standing Offer arising from this RFSO and any call-ups made against the Standing Offer. In addition, the Proponent certifies that except for those offences where a criminal pardon or a record suspension has been obtained or capacities restored by the Governor in Council, neither the Proponent nor any of the Proponent's affiliates has ever been convicted of an offence under any of the following provisions:
  - a. paragraph 80(1)(d) (*False entry, certificate or return*), subsection 80(2) (*Fraud against Her Majesty*) or section 154.01 (*Fraud against Her Majesty*) of the *Financial Administration Act*, or
  - b. section 121 (*Frauds on the government and Contractor subscribing to election fund*), section 124 (*Selling or Purchasing Office*), section 380 (*Fraud*) for fraud committed against Her Majesty or section 418 (*Selling defective stores to Her Majesty*) of the *Criminal Code of Canada*, or
  - c. section 462.31 (*Laundering proceeds of crime*) or sections 467.11 to 467.13 (*Participation in activities of criminal organization*) of the *Criminal Code of Canada*, or
  - d. section 45 (*Conspiracies, agreements or arrangements between competitors*), 46 (*Foreign directives*) 47 (*Bid rigging*), 49 (*Agreements or arrangements of federal financial institutions*), 52 (*False or misleading representation*), 53 (*Deceptive notice of winning a prize*) under the *Competition Act*, or
  - e. section 239 (*False or deceptive statements*) of the *Income Tax Act*, or
  - f. section 327 (*False or deceptive statements*) of the *Excise Tax Act*, or
  - g. section 3 (*Bribing a foreign public official*) of the *Corruption of Foreign Public Officials Act*, or
  - h. section 5 (*Trafficking in substance*), section 6 (*Importing and exporting*), or section 7 (*Production of substance*) of the *Controlled Drugs and Substance Act*.
9. In circumstances where a criminal pardon or a record suspension has been obtained, or capacities have been restored by the Governor in Council, the Proponent must provide with its proposal or promptly thereafter a copy of confirming documentation from an official source. If such documentation has not been received by the time the evaluation of proposals is completed, Canada will inform the Proponent of a time frame within which to provide the information. Failure to comply will render the proposal non-responsive

10. Proponents understand that Canada may contract outside of the present solicitation process with a supplier who has been convicted of an offense enumerated under c) to h) of the paragraph hereinabove, or who is affiliated with someone who has been convicted of an offense enumerated under c) to h) of the paragraph hereinabove, when required to do so by law or legal proceedings, or when Canada considers it necessary to the public interest for reasons which include, but are not limited to:

- o Only one person is capable of performing the contract;
- o Emergency;
- o National security;
- o Health and safety;
- o Economic harm.

Canada reserves the right to impose additional conditions or measures to ensure the integrity of the procurement process.

## **GI 1 INTRODUCTION**

1. Public Works and Government Services Canada (PWGSC) is inviting consulting firms with Architectural expertise to submit proposals for Standing Offers. The selected consultants shall provide a range of services as identified in the Required Services section of this document for building projects in the National Capital Area.
2. Proponents shall be licensed or eligible to be licensed to practise in the province of Quebec and Ontario. If a Proponent is licensed to practise in only one of the two provinces, then that Proponent must be eligible and willing to be licensed in the province in which they are not licensed. Firms should be able to demonstrate successful delivery of these services for a broad variety of projects over the last five (5) years. In general, the firm and its personnel will be evaluated on the basis of their demonstrated understanding of the scope of services, their approach and methodology to providing those services, the quality of their relevant experience in this area, as well as the cost of the provision of the services.
3. It is PWGSC's intention to authorize up to five (5) Standing Offers, each for a period of two (2) years from the date of issuing the Standing Offers plus Canada will hold an irrevocable option to extend the term of the Standing Offer by up to two (2) additional one (1) year periods under the same conditions. The total dollar value of all Standing Offers is estimated to be \$27,000,000.00 (Applicable Taxes included). Individual call-ups will vary, up to a maximum of \$1,000,000.00 (Applicable Taxes included). Proponents should note that there is no guarantee that the full or any amount of the Standing Offers will be called-up; PWGSC will issue call-ups only when the specific services to be provided under the Standing Offer are needed. Please refer to Section SP5, CALL-UP PROCEDURE.
4. This procurement is subject to the provisions of the North American Free Trade Agreement (NAFTA), World Trade Organization - Agreement on Government Procurement (WTO-AGP) and Canada-Peru FTA/Canada-Colombia FTA.

## **GI 2 PROCUREMENT BUSINESS NUMBER**

Proponents are required to have a Procurement Business Number (PBN) before issuance of a standing offer. Proponents may register for a PBN on line at Supplier Registration Information (<https://srisupplier.contractsCanada.gc.ca/>). For non-Internet registration, proponents may contact the InfoLine at 1-800-811-1148 to obtain the telephone number of the nearest Supplier Registration Agent.



**GI 3 CONTRACTING AUTHORITY**

1. The Contracting Authority for this Request for Standing Offer is:

Public Works and Government Services Canada  
 Real Property Contracting Directorate  
 3C2, Phase III, Place du Portage  
 Gatineau, Quebec  
 K1A 0S5

2. The Contracting Authority is responsible for the establishment of the Standing Offer, its administration, and any contractual issues relating to individual call-ups.

**GI 4 DEPARTMENTAL REPRESENTATIVE**

1. A Departmental Representative will be identified at time of each individual Call-Up.
2. The Departmental Representative will be responsible for all matters concerning the technical content of the work under the Call-Up.

**GI 5 QUANTITY**

The level of services and estimated expenditure specified in the Request for Standing Offer are only an approximation of requirements given in good faith. The making of a proposal by the Proponent shall not constitute an agreement by Canada. Canada may make one or several call-ups against a standing offer.

**GI 6 PWGSC OBLIGATION**

A Request for Standing Offer does not commit PWGSC to authorize the utilization of a standing offer or to pay any cost incurred in the submission of proposals, or cost incurred in making necessary studies for the preparation thereof, or to procure or contract for any services. PWGSC reserves the right to reject or authorize for utilization any proposal in whole or in part, with or without further discussion or negotiation. Canada reserves the right to cancel or amend the Request for Standing Offer at any time.

**GI 7 RESPONSIVE PROPOSALS**

To be considered responsive, a proposal must meet all of the mandatory requirements set out in the Request for Standing Offer. No further consideration in the selection procedure will be given to a Proponent submitting a non-responsive proposal. Proponents that submitted non-responsive proposals are notified accordingly.

**GI 8 COMMUNICATIONS - SOLICITATION PERIOD**

1. Questions or requests for clarification during the solicitation period must be submitted in writing to the Contracting Authority named on the Request for Standing Offer - Page 1 as early as possible. **Enquiries should be received no later than ten (10) working days prior to the closing date identified on the front page of the Request for Standing Offer** Enquiries received after that time may not be answered.
2. To ensure the integrity of the competitive bid process, enquiries and other communications regarding the RFSO must be directed only to the Contracting Authority identified in the RFSO. Failure to comply with this requirement may result in the proposal being declared non-responsive.

3. To ensure consistency and quality of information provided to proponents, significant enquiries received and the replies to such enquiries will be provided simultaneously to proponents to which the RFSO has been sent, without revealing the sources of the enquiries.

## **GI 9 OVERVIEW OF SELECTION PROCESS**

1. The Standing Offer selection process is as follows:
  - a) a Request for Standing Offer is obtained by proponents through the Government Electronic Tendering Service (GETS);
  - b) in response to the Request for Standing Offer, interested proponents shall submit their proposals using a "two-envelope" procedure, in which proponents submit the "technical" component of their proposal in one envelope and the proposed price of the services (price proposal) in a second envelope as further described in GI 10.3 below;
  - c) responsive proposals are reviewed, evaluated and rated by a PWGSC Evaluation Board in accordance with the criteria, components and weight factors set out in the Request for Standing Offer;
  - d) PWGSC may issue a standing offer to the successful proponents;
  - e) Proponents are notified of the results within one week after PWGSC has entered into a standing offer arrangement with the successful proponents.

## **GI 10 SUBMISSION OF PROPOSAL**

1. Canada requires that each proposal, at closing date and time or upon request from the Contracting Authority, be signed by the Proponent or by an authorized representative of the Proponent. If a proposal is submitted by a joint venture, it must be in accordance with section GI18.
2. It is the Proponent's responsibility to:
  - a) obtain clarification of the requirements contained in the Request for Standing Offer, if necessary, before submitting a proposal;
  - b) submit an original of the proposal plus the specified number of copies, duly completed, IN THE FORMAT REQUESTED, on or before the closing date and time set for receipt of proposals;
  - c) send its proposal only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit specified on page 1 of the Request for Standing Offer or to the address specified in the Request for Standing Offer;
  - d) ensure that the Proponent's name, return address, the solicitation number and description, and solicitation closing date and time are clearly visible on the envelope or the parcel(s) containing the proposal; and
  - e) provide a comprehensive and sufficiently detailed proposal that will permit a complete evaluation in accordance with the criteria set out in the Request for Standing Offer.

3. The technical and price components of the proposal must be submitted in separate, easily identified envelopes in accordance with the instructions contained in the proposal document. Both envelopes shall be submitted as one package which shall clearly and conspicuously display and indicate on the outside of the package the information identified in paragraph 2. d) above.
4. Timely and correct delivery of proposals to the office designated for receipt of proposals is the sole responsibility of the Proponent. Public Works and Government Services Canada will not assume or have transferred to it those responsibilities. All risks and consequences of incorrect delivery of proposals are the responsibility of the Proponent.
5. The evaluation of proposals may result in authorization to utilize one or more Standing Offers in whole or in part, taking into consideration the evaluation criteria and selection method stated herein. The lowest or any proposal will not necessarily be authorized. In case of error in the calculation of prices, the unit prices will govern.
6. The proposal should completely and thoroughly address each element of the requirements as enumerated in the Request for Standing Offer. It is also essential that the elements contained in the proposal be stated in a clear and concise manner.
7. Proposal documents and supporting information may be submitted in either English or French.

#### **GI 11 NON-ACCEPTANCE OF ELECTRONICALLY TRANSMITTED PROPOSALS**

Due to the nature of this solicitation, a complete technical proposal, as well as a cost of services proposal (submitted under separate cover), with supporting information is required to allow a proper evaluation to be conducted. Electronic transmission of the proposal by such means as electronic mail or facsimile is not considered to be practical, and therefore, will not be accepted.

#### **GI 12 EVALUATION OF PRICE**

The price proposal must be submitted in Canadian dollars and will be evaluated excluding Applicable Taxes.

#### **GI 13 LIMITATION OF SUBMISSIONS**

1. A Proponent may not submit more than one proposal. This limitation also applies to the persons or entities in the case of a joint venture. If more than one proposal is received from a Proponent (or, in the case of a joint venture, from the persons or entities), all such proposals shall be rejected and no further consideration shall be given.
2. A joint venture is defined as an association of two or more parties which combine their money, property, knowledge, skills, time or other resources in a joint business enterprise agreeing to share the profits and the losses and each having some degree of control over the enterprise.
3. An arrangement whereby Canada contracts directly with a consultant who may retain sub-consultants or specialist consultants to perform portions of the services is not a joint venture arrangement. A sub-consultant or specialist consultant may, therefore, be proposed as part of the consultant team by more than one Proponent. The Proponent warrants that it has written permission from such sub-consultant or specialist consultant to propose their services in relation to the services to be performed.

4. Notwithstanding paragraph 3. above, in order to avoid any conflict of interest, or any perception of conflict of interest, a Proponent shall not include in its submission another Proponent as a member of its consultant team, as a sub-consultant or specialist consultant.
5. Any joint venture entered into for the provision of professional services or other services must be in full compliance with the requirements of any provincial or territorial law pertaining thereto in the Province or Territory in which the project is located.

#### **GI 14 LICENSING REQUIREMENTS**

1. Consultant team members and key personnel shall be, or be eligible to be licensed, certified or otherwise authorized to provide the necessary professional services to the full extent that may be required by provincial law in the province of the work.
2. By virtue of submission of a proposal, the Proponent certifies that the Proponent's consultant team and key personnel are in compliance with the requirements of paragraph 1 above. The Proponent acknowledges that PWGSC reserves the right to verify any information in this regard and that false or erroneous certification may result in the proposal being declared non-responsive.

#### **GI 15 REJECTION OF PROPOSAL**

1. Canada may reject a proposal where any of the following circumstances is present:
  - (a) the Proponent has been declared ineligible for selection, following unsatisfactory performance in a previous project as determined in accordance with the department's performance review procedures;
  - (b) an employee, sub-consultant or specialist consultant included as part of the proposal has been declared ineligible, for selection for work with the department in accordance with the performance review procedure referred to in paragraph 1.(a), which would render the employee, sub-consultant or specialist consultant ineligible to bid on the requirement, or the portion of the requirement the employee, sub-consultant or specialist consultant is to perform;
  - (c) the Proponent is bankrupt or where, for whatever reason, its activities are rendered inoperable for an extended period;
  - (d) evidence, satisfactory to Canada, of fraud, bribery, fraudulent misrepresentation or failure to comply with any law protecting individuals against any manner of discrimination, has been received with respect to the Proponent, any of its employees, any sub-consultant or any specialist consultant included as part of the proposal;
  - (e) evidence satisfactory to Canada that based on past conduct or behavior, the Proponent, a sub-consultant, a specialist consultant or a person who is to perform the Services is unsuitable or has conducted himself/herself improperly;
  - (f) with respect to current or prior transactions with the Government of Canada,
    - (i) Canada has exercised its contractual remedies of taking the services out of the consultant's hands, suspension or termination for default with respect to a contract with the Proponent, any of its employees, any sub-consultant or any specialist consultant included as part of the proposal;

- (ii) Canada determines that the Proponent's performance on other contracts, including the quality of the services provided and the quality and timeliness of the delivery of the project, is sufficiently poor to jeopardize the successful completion of the requirement being bid on.

- 2. Where Canada intends to reject a proposal pursuant to subsection 1.(f), the Contracting Authority will so inform the Proponent and provide the Proponent ten (10) days within which to make representations, before making a final decision on the proposal rejection.

#### **GI 16 NOT APPLICABLE**

#### **GI 17 INSURANCE REQUIREMENTS**

- 1. The successful Proponent shall be required to obtain and maintain Professional Liability and Comprehensive General insurance coverage in accordance with the requirements set out elsewhere in the Request for Standing Offer documents.
- 2. No insurance requirement stipulated in the Request for Standing Offer documents should be construed as limiting any insurance required by federal, provincial or municipal law. Neither should it limit any coverage which the successful Proponent and other members of the consultant team may consider to be necessary for their own protection or to fulfill their obligations.
- 3. By virtue of submission of a proposal, the Proponent certifies that the Proponent and the other members of the consultant team as may be applicable are capable of obtaining, and will obtain and maintain liability insurance in accordance with the requirements set out in the proposal documents.

#### **GI 18 JOINT VENTURE**

- 1. A joint venture is an association of two or more parties who combine their money, property, knowledge, expertise or other resources in a single joint business enterprise, sometimes referred as a consortium, to bid together on a requirement. Proponents who bid as a joint venture must indicate clearly that it is a joint venture and provide the following information:
  - (a) the name of each member of the joint venture;
  - (b) the Procurement Business Number of each member of the joint venture;
  - (c) the name of the representative of the joint venture, i.e. the member chosen by the other members to act on their behalf, if applicable;
  - (d) the name of the joint venture, if applicable.
- 2. If the information is not clearly provided in the proposal, the Proponent must provide the information on request from the Contracting Authority.
- 3. The proposal and any resulting standing offer must be signed by all the members of the joint venture unless one member has been appointed to act on behalf of all members of the joint venture. The Contracting Authority may, at any time, require each member of the joint venture to confirm that the representative has been appointed with full authority to act as its representative for the purposes of the RFSO and any resulting standing offer. If a standing offer is issued to a joint venture, all members of the joint venture will be jointly and severally or solidarily liable for the performance of any contract resulting from a call-up against the standing offer.

**GI 19 LATE SUBMISSIONS**

Submissions delivered after the stipulated closing date and time will be returned unopened.

**GI 20 DEFINITION OF PROPONENT AND LEGAL CAPACITY**

"Proponent" means the person or entity (or, in the case of a joint venture, the persons or entities) submitting a proposal to provide services under a call-up resulting from a standing offer. It does not include the parent, subsidiaries or other affiliates of the Proponent, or its sub-consultants. The Proponent must have the legal capacity to contract. If the Proponent is a sole proprietorship, a partnership or a corporate body, the Proponent must provide, if requested by the Contracting Authority, a statement and any requested supporting documentation indicating the laws under which it is registered or incorporated together with the registered or corporate name and place of business. This also applies to proponents submitting a proposal as a joint venture.

**GI 21 DEBRIEFING**

Should a Proponent desire a debriefing, the Proponent should contact the person identified on the front page of the Request for Standing Offer within 15 working days of the notification of the results of the solicitation. The debriefing will include an outline of the strengths and weaknesses of the submission, referring to the evaluation criteria. The confidentiality of information relating to other submissions will be protected. The debriefing may be provided in writing, by telephone or in person.

**GI 22 FINANCIAL CAPABILITY**

1. Financial Capability Requirement: The Proponent must have the financial capability to fulfill this requirement. To determine the Proponent's financial capability, the Contracting Authority may, by written notice to the Proponent, require the submission of some or all of the financial information detailed below during the evaluation of proposals. The Proponent must provide the following information to the Contracting Authority within fifteen (15) working days of the request or as specified by the Contracting Authority in the notice:
  - (a) Audited financial statements, if available, or the unaudited financial statements (prepared by the Proponent's outside accounting firm, if available, or prepared in-house if no external statements have been prepared) for the Proponent's last three fiscal years, or for the years that the Proponent has been in business if this is less than three years (including, as a minimum, the Balance Sheet, the Statement of Retained Earnings, the Income Statement and any notes to the statements).
  - (b) If the date of the financial statements in (a) above is more than five months before the date of the request for information by the Contracting Authority, the Proponent must also provide, unless this is prohibited by legislation for public companies, the last quarterly financial statements (consisting of a Balance Sheet and a year-to-date Income Statement), as of two months before the date on which the Contracting Authority requests this information.
  - (c) If the Proponent has not been in business for at least one full fiscal year, the following must be provided:
    - (i) the opening Balance Sheet on commencement of business (in the case of a corporation, the date of incorporation); and

- 
- (ii) the last quarterly financial statements (consisting of a Balance Sheet and a year-to-date Income Statement) as of two months before the date on which the Contracting Authority requests this information.
    - (d) A certification from the Chief Financial Officer or an authorized signing officer of the Proponent that the financial information provided is complete and accurate.
    - (e) A confirmation letter from all of the financial institution(s) that have provided short-term financing to the Proponent outlining the total of lines of credit granted to the Proponent and the amount of credit that remains available and not drawn upon as of one month prior to the date on which the Contracting Authority requests this information.
  - 2. If the Proponent is a joint venture, the financial information required by the Contracting Authority must be provided by each member of the joint venture.
  - 3. If the Proponent is a subsidiary of another company, then any financial information in 1. (a) to (e) above required by the Contracting Authority must be provided by the ultimate parent company. Provision of parent company financial information does not by itself satisfy the requirement for the provision of the financial information of the Proponent, and the financial capability of a parent cannot be substituted for the financial capability of the Proponent itself unless an agreement by the parent company to sign a Parental Guarantee, as drawn up by Public Works and Government Services Canada (PWGSC), is provided with the required information.
  - 4. Financial Information Already Provided to PWGSC: The Proponent is not required to resubmit any financial information requested by the Contracting Authority that is already on file at PWGSC with the Contract Cost Analysis, Audit and Policy Directorate of the Policy, Risk, Integrity and Strategic Management Sector, provided that within the above-noted time frame:
    - (a) the Proponent identifies to the Contracting Authority in writing the specific information that is on file and the requirement for which this information was provided; and
    - (b) the Proponent authorizes the use of the information for this requirement.

It is the Proponent's responsibility to confirm with the Contracting Authority that this information is still on file with PWGSC.
  - 5. Other Information: Canada reserves the right to request from the Proponent any other information that Canada requires to conduct a complete financial capability assessment of the Proponent.
  - 6. Confidentiality: If the Proponent provides the information required above to Canada in confidence while indicating that the disclosed information is confidential, then Canada will treat the information in a confidential manner as permitted by the Access to Information Act, R.S., 1985, c. A-1, Section 20(1) (b) and (c).
  - 7. Security: In determining the Proponent's financial capability to fulfill this requirement, Canada may consider any security the Proponent is capable of providing, at the Proponent's sole expense (for example, an irrevocable letter of credit from a registered financial institution drawn in favour of Canada, a performance guarantee from a third party or some other form of security, as determined by Canada).
  - 8. In the event that a proposal is found to be non-compliant on the basis that the Proponent is considered NOT to be financially capable of performing the subject requirement, official notification shall be provided to the Proponent.

---

**GI 23 REVISION OF PROPOSAL**

A proposal submitted may be amended by letter or facsimile provided the revision is received at the office designated for the receipt of proposals, on or before the date and time set for the receipt of proposals. The revision must be on the Proponent's letterhead or bear a signature that identifies the Proponent, and must clearly identify the change(s) to be applied to the original proposal. The revision must also include the information identified in GI 10 2. d).

**GI 24 PERFORMANCE EVALUATION**

Proponents shall take note that the performance of the Consultant during and upon completion of the services shall be evaluated by Canada. The evaluation includes all or some of the following criteria: Design, Quality of Results, Management, Time and Cost. Should the Consultant's performance be considered unsatisfactory, the Consultant may be declared ineligible for future contracts. The form PWGSC-TPSGC 2913-1, SELECT - Consultant Performance Evaluation Report (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/2913-1.pdf>), is used to record the performance.

**GI 25 PROPOSAL COSTS**

No payment will be made for costs incurred in the preparation and submission of a proposal in response to the Request for Standing Offer. Costs associated with preparing and submitting a proposal, as well as any costs incurred by the Proponent associated with the evaluation of the proposal, are the sole responsibility of the Proponent.

**GI 26 CONFLICT OF INTEREST - UNFAIR ADVANTAGE**

1. In order to protect the integrity of the procurement process, proponents are advised that Canada may reject a proposal in the following circumstances:
  - (a) if the Proponent, any of its sub-consultants, any of their respective employees or former employees was involved in any manner in the preparation of the bid solicitation or in any situation of conflict of interest or appearance of conflict of interest;
  - (b) if the Proponent, any of its sub-consultants, any of their respective employees or former employees had access to information related to the bid solicitation that was not available to other proponents and that would, in Canada's opinion, give or appear to give the Proponent an unfair advantage.
2. The experience acquired by a Proponent who is providing or has provided the goods and services described in the bid solicitation (or similar goods or services) will not, in itself, be considered by Canada as conferring an unfair advantage or creating a conflict of interest. This Proponent remains however subject to the criteria established above.
3. Where Canada intends to reject a proposal under this section, the Contracting Authority will inform the Proponent and provide the Proponent an opportunity to make representations before making a final decision. Proponents who are in doubt about a particular situation should contact the Contracting Authority before bid closing. By submitting a proposal, the Proponent represents that it does not consider itself to be in conflict of interest nor to have an unfair advantage. The Proponent acknowledges that it is within Canada's sole discretion to determine whether a conflict of interest, unfair advantage or an appearance of conflict of interest or unfair advantage exists.



**GI 27 LIMITATION OF LIABILITY**

Except as expressly and specifically permitted in this Request for Standing Offer, no Proponent or potential Proponent shall have any claim for any compensation of any kind whatsoever in relation to this Request for Standing Offer, or any aspect of the procurement process, and by submitting a proposal each Proponent shall be deemed to have agreed that it has no claim.

**GI 28 STATUS AND AVAILABILITY OF RESOURCES**

The Proponent certifies that, should it be issued a standing offer as a result of the Request for Standing Offer, every individual proposed in its proposal will be available to perform the Services resulting from a call-up against the Standing Offer as required by Canada's representatives and at the time specified in a call-up or agreed to with Canada's representatives. If for reasons beyond its control, the Proponent is unable to provide the services of an individual named in its proposal, the Proponent may propose a substitute with similar qualifications and experience. The Proponent must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Proponent: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

Solicitation No. - N° de l'invitation

EP168-130975/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

fe102

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

20130975

File No. - N° du dossier

fe102EP168-130975

CCC No./N° CCC - FMS No/ N° VME

---

## STANDING OFFER PARTICULARS (SP)

- SP 1 General
- SP 2 Withdrawal/Revision
- SP 3 Period of the Standing Offer
- SP 4 Call-Up Limitation
- SP 5 Call-Up Procedure
- SP 6 Invoicing

## STANDING OFFER PARTICULARS

### SP 1 GENERAL

1. The Consultant acknowledges that a standing offer is not a contract and that the issuance of a Standing Offer and Call-up Authority does not oblige or commit Canada to procure or contract for any services listed in the Standing Offer.
2. The Consultant offers to provide and deliver to Canada the services described in the Standing Offer, in accordance with the pricing set out in the Standing Offer if, and when the Contracting Authority may request such services, in accordance with the conditions listed at subsection 3 below.
3. The Consultant understands and agrees that:
  - a) a call-up against the Standing Offer will form a contract only for those services which have been called-up, provided that such call-up is made in accordance with the provisions of the Standing Offer;
  - b) Canada's liability is limited to that which arises from call-ups against the Standing Offer made within the period specified in the Standing Offer;
  - c) Canada has the right to procure the services specified in the Standing Offer by means of any other contract, standing offer or contracting method;
  - d) the Standing Offer cannot be assigned or transferred in whole or in part;
  - e) the Standing Offer may be set aside by Canada at any time.

### SP 2 WITHDRAWAL/REVISION

In the event that the Consultant wishes to withdraw the Standing Offer after authority to call-up against the Standing Offer has been given, the Consultant must provide no less than thirty (30) days' written notice to the Contracting Authority, unless specified otherwise in the Standing Offer. The thirty (30) days' period will start upon receipt of the notification by the Contracting Authority and the withdrawal will be effective at the expiry of that period. The Consultant must fulfill any and all call-ups which are made before the expiry of that period.

The period of the Standing Offer may only be extended, or its usage increased, by the Contracting Authority issuing a revision to the Standing Offer in writing.

### SP 3 PERIOD OF THE STANDING OFFER

The period for placing call-ups against the Standing Offer shall be for a period of two (2) years from the date of issuing the Standing Offers and the Consultant grants to Canada the irrevocable option to extend the term of the Standing Offer by up to two (2) additional one (1) year periods under the same conditions. The Consultant agrees that, during the extended period of the Standing Offer, it will be paid in accordance with the applicable provisions as set out in the Price Proposal Form.

### SP 4 CALL-UP LIMITATION

Each call-up against the Standing Offer will have a maximum limitation of expenditure of \$1,000,000.00. (Applicable Taxes included). The call-up limitation includes fees and all related disbursements.

**SP 5 CALL-UP PROCEDURE****1. Services will be called-up as follows:**

- a) The Departmental Representative will establish the scope of services to be performed. For each individual Call-Up, consultants will be considered using a computerized distribution system. This system will track all call-ups assigned to each consultant and will maintain a running total of the dollar value of business distributed. The system will contain for each consultant an ideal business distribution percentage which has been established as follows; 34% of the business for the top ranked consultant, 24% for the 2nd ranked consultant, 19% for the 3rd ranked consultant, 14% for the 4th ranked consultant, and 9% for the 5th. In the event fewer than five (5) consultants are successful, the undistributed % of business will be redistributed amongst the offerors being recommended using the following formula:

$$\text{Revised Distributions \%} = \frac{\text{pre-established \%}}{100 \text{ less the non distributed \%}} \times 100$$

The Consultant who is furthest under their respective ideal business distribution percentage in relation to the other consultants will be selected for the next call-up.

- b) The Consultant will be provided the scope of services and will submit a proposal to the Departmental Representative in accordance with the fixed hourly rates established under the Standing Offer. The Consultant's proposal shall include the category of personnel, name of personnel and the number of hours estimated/required to perform the services, as well as an estimate of proposed disbursements, if applicable. If for reasons beyond its control, the Consultant is unable to provide the services of an individual named in its proposal (submitted in response to the Request for Standing Offer), the Consultant may propose a substitute with at least the same qualifications and experience in the estimation of Canada. The Consultant must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Consultant: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default. If the Consultant is unable to provide a substitute with similar qualifications and experience, Canada may set aside the standing offer.
- c) For services from a Specialist Consultant that is not named or for which discipline is not identified in the Standing Offer, the Consultant's proposal shall include the category and name of personnel as well as their hourly rate(s) with the number of hours estimated/required by the Specialist Consultant to perform these services. A fixed fee or, where it is not possible or appropriate to agree upon a fixed fee, a time based fee to an upset limit will be established.
- d) For the preparation of bilingual documents, the Consultant shall estimate the required number of hours and multiply by the hourly rates established in the Standing Offer. If the services of a translation firm are required to produce bilingual documents, these costs shall be treated as a disbursement.
- e) A fixed fee or, where it is not possible or appropriate to agree upon a fixed fee, a time based fee to an upset limit will be established in accordance with the hourly rate(s) established in the Standing Offer.

- f) Standing Offer holders not possessing the required security clearance at time of call up, will be bypassed and PWGSC will proceed to the next consultant who possesses the required security clearance and it is furthest away from the ideal business distribution.
2. The Consultant will be authorized in writing by the Contracting Authority to proceed with the services by issuance of a Call-up against the Standing Offer.
3. Any proposed changes to the scope of work are to be discussed with the Departmental Representative but any resulting changes can only be authorized by an amendment issued by the Contracting Authority.

## SP 6 INVOICING

1. For prompt processing of invoices, include the following information on each invoice for payment:
- a) PWGSC project number;
  - b) Invoicing period with dates;
  - c) Work done to justify invoice (short narrative) for services provided
  - d) Summary of costs as follows:
 

Amount this invoice	(1)	Fees + Applicable Taxes = Total
Total previous invoices	(2)	Fees + Applicable Taxes = Total
Total invoiced to date	(1+2) =(3)	Fees + Applicable Taxes = Total
Agreed fees	(4)	Fees + Applicable Taxes = Total
Amount to complete	(4-3) =(5)	Fees + Applicable Taxes = Total
% Services completed this stage	(6)	
  - e) Authorized signatures of the consultant and the date.
2. Include with each invoice for authorized disbursements, receipt of original invoices (or legible copies if originals cannot be supplied) for all items claimed.

Solicitation No. - N° de l'invitation

EP168-130975/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

fe102

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

20130975

File No. - N° du dossier

fe102EP168-130975

CCC No./N° CCC - FMS No/ N° VME

---

## TERMS AND CONDITIONS

0220DA General Conditions (GC)  
0000DA Supplementary Conditions (SC)  
9998DA Terms of Payment (TP)  
9999DA Consultant Services (CS)  
2000DA Calculation of Fees (CF)

---

**0220DA      GENERAL CONDITIONS**

GC 1	Definitions
GC 2	Interpretations
GC 3	Not applicable
GC 4	Assignment
GC 5	Indemnification
GC 6	Notices
GC 7	Suspension
GC 8	Termination
GC 9	Taking the Services Out of the Consultant's Hands
GC 10	Time and Cost Records to be Kept by the Consultant
GC 11	National or Departmental Security
GC 12	Rights to Intellectual Property
GC 13	Conflict of Interest and Values and Ethics Codes for the Public Service
GC 14	Status of Consultant
GC 15	Declaration by Consultant
GC 16	Insurance Requirements
GC 17	Resolution of Disagreements
GC 18	Amendments
GC 19	Entire Agreement
GC 20	Contingency Fees
GC 21	Harassment in the Workplace
GC 22	Taxes
GC 23	Changes in the Consultant Team
GC 24	Joint and Several Liability
GC 25	Not Applicable
GC 26	International Sanctions
GC 27	Code of Conduct and Certifications - Standing Offer and Contract

---

## GC 1 Definitions

**Applicable Taxes** means the Goods and Services Tax (GST), the Harmonized Sales Tax (HST), and any provincial tax, by law, payable by *Canada* such as, the Quebec Sales Tax (QST) as of April 1, 2013;

**Average Bank Rate** means the simple arithmetic mean of the *Bank Rate* in effect at 4:00 p.m. Eastern Time each day during the calendar month which immediately precedes the calendar month in which payment is made;

**Bank Rate** means the rate of interest established from time to time by the Bank of Canada as the minimum rate at which it makes short term advances to members of the Canadian Payments Association;

**Canada, Crown, Her Majesty or the Government** means Her Majesty the Queen in right of *Canada*;

**Construction Contract** means a contract entered into between *Canada* and a *Contractor* for the construction of the Project;

**Construction Contract Award Price** means the price at which a *Construction Contract* is awarded to a *Contractor*;

**Construction Cost Estimate** means an anticipated amount for which a *Contractor* will execute the construction of the Project;

**Construction Cost Limit** means that portion of the total amount of Project funds which shall not be exceeded on construction of the Project;

**Consultant** means the party identified in the Standing Offer to perform the *Consultant Services* under the Standing Offer and any subsequent Call-up, and includes the officer or employee of the *Consultant* identified in writing by the *Consultant*;

**Contracting Authority** means the party identified on the front cover page, responsible for the establishment of the Standing Offer, its amendments, administration, and any contractual issues relating to individual call-ups;

**Contractor** means a person, firm or corporation with whom *Canada* enters, or intends to enter, into a *Construction Contract*;

**Contract Price** means the amount stated in the Call-Up to be payable to the *Consultant* for the *Services*, exclusive of *Applicable Taxes*;

**Cost Plan** means the allocation of proposed costs among the various elements of the Project, as described in the *Project Brief or Terms of Reference*;

**Days** means continuous calendar days, including weekends and statutory public holidays;

**Departmental Representative** means the officer or employee of *Canada* identified to the consultant in writing to perform the *Departmental Representative's* duties under each Call-Up;

**Mediation** is a process of dispute resolution in which a neutral third party assists the parties involved in a dispute to negotiate their own settlement;



**Project Brief or Terms of Reference** means a document describing in sufficient detail the *Services* to be provided by the *Consultant* to permit the *Consultant* to proceed with the *Services* and may include general project information, scope of the work, site and design data, and time plan, specifically related to the Project;

**Project Schedule** means a time plan, including the sequence of tasks, milestone dates and critical dates which must be met for the implementation of the planning, design and construction phases of the Project;

**Services** means the *Services* provided by the *Consultant* and the *Services* required for the project as set forth in the Standing Offer and subsequent Call-up documents;

**Specialist Consultant** means any Architect, Professional Engineer, or other specialist, other than the *Consultant*, engaged by *Canada* directly or, at the specific request of *Canada*, engaged by the *Consultant*;

**Sub-Consultant** means any Architect, Professional Engineer, or other specialist engaged by the *Consultant* for the *Services* included in the Standing Offer or any subsequent Call-up;

**Technical Documentation** includes designs, reports, photographs, physical models, surveys, drawings, specifications, computer software developed for the purpose of the Project, computer printouts, design notes, calculations, CADD (Computer-aided Design and Drafting) files, and other data, information and material, prepared, computed, drawn, or produced and operating and maintenance manuals either prepared or collected for the Project.

**Total Estimated Cost, Revised Estimated Cost, Increase (Decrease)** on Page 1 of the Contract or Contract Amendment means an amount used for internal administrative purposes only that comprises the *Contract Price*, or the revised *Contract Price*, or the amount that would increase or decrease the *Contract Price* and the *Applicable Taxes* as evaluated by the *Contracting Authority*, and does not constitute tax advice on the part of *Canada*.

## GC 2 Interpretations

1. Words importing the singular only also include the plural, and vice versa, where the context requires;
2. Headings or notes in the Standing Offer shall not be deemed to be part thereof, or be taken into consideration in its interpretation;
3. "Herein", "hereby", "hereof", "hereunder" and similar expressions refer to the Standing Offer as a whole and not to any particular subdivision or part thereof.

## GC 3 Not Applicable

## GC 4 Assignment

1. The Call-Up shall not be assigned, in whole or in part, by the *Consultant* without the prior consent of *Canada*.
2. An assignment of the Call-Up without such consent shall not relieve the *Consultant* or the assignee from any obligation under the Call-up, or impose any liability upon *Canada*.

## GC 5 Indemnification

1. The *Consultant* shall indemnify and save harmless *Canada*, its employees and agents, from losses arising out of the errors, omissions or negligent acts of the *Consultant*, its employees and agents, in the performance of the *Services* under the Call-up that may result from the Standing Offer.
2. The *Consultant's* liability to indemnify or reimburse *Canada* under the Standing Offer shall not affect or prejudice *Canada* from exercising any other rights under law.

## GC 6 Notices

1. Any notice, request, direction, consent, decision, or other communication that is required to be given or made by either party pursuant to the Standing Offer, shall be in writing, and shall be deemed to have been effectively given when:
  - (a) served personally, on the day it is delivered;
  - (b) forwarded by registered mail, on the day the postal receipt is acknowledged by the other party; or
  - (c) forwarded by facsimile or other electronic means of transmission, one working day after it was transmitted.
2. The address of either party, or the person authorized to receive notices, may be changed by notice in the manner set out in this provision.

## GC 7 Suspension

1. The *Departmental Representative* may require the *Consultant* to suspend the *Services* being provided, or any part thereof, for a specified or unspecified period.
2. If a period of suspension does not exceed sixty (60) *days* and when taken together with other periods of suspension does not exceed ninety (90) *days*, the *Consultant* will, upon the expiration of that period, resume the performance of the *Services* in accordance with the terms of the Standing Offer and the relevant Call-up, subject to any agreed adjustment of the time schedule as referred to in CS 3 of clause 9999DA, *Consultant Services*.
3. If a period of suspension exceeds sixty (60) *days* or when taken together with other periods of suspension, the total exceeds ninety (90) *days*, and:
  - (a) the *Departmental Representative* and the *Consultant* agree that the performance of the *Services* shall be continued, then the *Consultant* shall resume performance of the *Services*, subject to any terms and conditions agreed upon by the *Departmental Representative* and the *Consultant*, or
  - (b) the *Departmental Representative* and the *Consultant* do not agree that the performance of the *Services* shall be continued, then the Call-Up shall be terminated by notice given by *Canada* to the *Consultant*, in accordance with the terms of GC 8.
4. Suspension costs related to this clause are as outlined in TP 8 of clause 9998DA, *Terms of Payment*.

## GC 8 Termination

Canada may terminate any Call-up at any time in its sole discretion, and the fees paid to the *Consultant* will be in accordance with the relevant provisions in TP 9 of clause 9998DA, Terms of Payment.

## GC 9 Taking the Services Out of the *Consultant's* Hands

1. Canada may take all or any part of the *Services* out of the *Consultant's* hands and may employ reasonable means necessary to complete such *Services* in the event that:
  - (a) The *Consultant* has become insolvent or has committed an act of bankruptcy, and has neither made a proposal to the *Consultant's* creditors nor filed a notice of intention to make such a proposal, pursuant to the *Bankruptcy and Insolvency Act*, or
  - (b) the *Consultant* fails to perform any of the *Consultant's* obligations under the Standing Offer or any of the Call-ups or, in Canada's opinion, so fails to make progress as to endanger performance of the Standing Offer or any of its call-ups, in accordance with its terms.
2. If the *Consultant* has become insolvent or has committed an act of bankruptcy, and has either made a proposal to the *Consultant's* creditors or filed a notice of intention to make such a proposal, pursuant to the *Bankruptcy and Insolvency Act*, the *Consultant* shall immediately forward a copy of the proposal or the notice of intention to the *Contracting Authority*.
3. Before the *Services* or any part thereof are taken out of the *Consultant's* hands under GC 9.1(b), the *Departmental Representative* will provide notice to the *Consultant*, and may require such failure of performance or progress to be corrected. If within fourteen (14) days after receipt of notice the default is not corrected or corrective action is not initiated to correct such fault, Canada may, by notice, without limiting any other right or remedy, take all or any part of the *Services* out of the *Consultant's* hands.
4. If the *Services* or any part thereof have been taken out of the *Consultant's* hands, the *Consultant* will be liable for, and upon demand pay to *Canada*, an amount equal to all loss and damage suffered by *Canada* by reason of the non-completion of the *Services* by the *Consultant*.
5. If the *Consultant* fails to pay on demand for the loss or damage as a result of GC 9.4, *Canada* will be entitled to deduct and withhold the same from any payments due and payable to the *Consultant*.
6. If the *Services* or any part thereof are taken out of the *Consultant's* hands as a result of GC 9.1(b) and GC 9.3, the amount referred to in GC 9.5 shall remain in the Consolidated Revenue Fund until an agreement is reached or a decision of a court or tribunal is rendered. At that time the amount, or any part of it, which may become payable to the *Consultant* shall be paid together with interest from the due date referred to in TP 2 of clause 9998DA, Terms of Payment, and in accordance with the terms of the Standing Offer.
7. The taking of the *Services*, or any part thereof, out of the *Consultant's* hands does not relieve or discharge the *Consultant* from any obligation under the Standing Offer, the Call-up, or imposed upon the *Consultant* by law, in respect to the *Services* or any part thereof that the *Consultant* has performed.

## GC 10 Time and Cost Records to be Kept by the Consultant

1. Time charged and the accuracy of the *Consultant's* time recording system may be verified by the *Departmental Representative* before or after payment is made to the *Consultant* under the terms and conditions of the Call up.
2. The *Consultant* shall keep accurate time and cost records and, if required for the purposes of the Standing Offer, shall make these documents available to the *Departmental Representative* who may make copies and take extracts therefrom.
3. The *Consultant* shall afford facilities for audit and inspection upon request and shall provide the *Departmental Representative* with such information as may be required from time to time with reference to the documents referred to in GC 10.2.
4. The *Consultant* shall, unless otherwise specified, keep the time sheets and cost records available for audit and inspection for a period of at least two (2) years following completion of the *Services*.
5. If the verification is done after payment by Canada, the *Consultant* agrees to repay any overpayment immediately upon demand.

## GC 11 National or Departmental Security

1. If the *Departmental Representative* is of the opinion that the Project is of a class or kind that involves national or departmental security, the *Consultant* may be required:
  - (a) to provide any information concerning persons employed for purposes of the Standing Offer unless prohibited by law;
  - (b) to remove any person from the Project and its site if that person cannot meet the prescribed security requirements; and
  - (c) to retain the Project *Technical Documentation* while in the *Consultant's* possession in a manner specified by the *Departmental Representative*.
2. Notwithstanding the provisions of GC 12, if the Project is of a class or kind that involves national or departmental security, the *Consultant* shall not issue, disclose, discard or use the Project *Technical Documentation* on another project without the written consent of the *Departmental Representative*.

## GC 12 Rights to Intellectual Property

1. Definitions

"Background" means all Technical Output that is not Foreground and that is proprietary to or the confidential information of the *Consultant*, the *Consultant's Sub-Consultants*, or any other entity engaged by the *Consultant* in the performance of the *Services*;

"Foreground" means any Invention first conceived, developed or reduced to practice as part of the *Services* and all other Technical Output conceived, developed, produced or implemented as part of the *Services*;

"IP Rights" means any intellectual property rights recognized by law, including any intellectual property right protected through legislation (such as that governing copyright, patents, industrial

design, or integrated circuit topography) or arising from protection of information as a trade secret or as confidential information;

"Invention" means any new and useful art, process, machine, manufacture or composition of matter, or any new and useful improvement in any art, process, machine, manufacture or composition of matter, whether or not patentable and without limiting the foregoing the term includes any unique design and construction system;

"Technical Output" means: (i) all information of a scientific, technical, or artistic nature relating to the *Services*, whether oral or recorded in any form or medium and whether or not subject to copyright, including but not limited to any Inventions, designs, methods, reports, photographs, physical models, surveys, drawings, specifications developed for the purpose of the Project; as well as (ii) computer printouts, design notes, calculations, CADD (Computer-aided Design and Drafting) files, and other data, information and material, prepared, computed, drawn, or produced for the purpose of the Project; and (iii) operating and maintenance manuals prepared or collected for the Project; and (iv) any buildings, built works, structures and facilities constructed as, or as part of, the Project. Technical Output does not include data concerned with the administration of the Standing Offer and/or Call-Up by Canada or the Consultant, such as internal financial or management information, unless it is a deliverable under the terms of the Standing Offer and/or Call-Up.

## 2. Identification and Disclosure of Foreground

The *Consultant* shall:

- (a) promptly report and fully disclose to Canada all Foreground that could be Inventions, and shall report and fully disclose to Canada all other Foreground not later than the time of completion of the *Services* or such earlier time as Canada or the Standing Offer and/or Call-Up may require, and
- (b) for each disclosure referred to in (a), indicate the names of all *Sub-Consultants* at any tier, if any, in which IP Rights to any Foreground have vested or will vest.

Before and after final payment to the *Consultant*, Canada shall have the right to examine all records and supporting data of the *Consultant* which Canada reasonably decides is pertinent to the identification of the Foreground.

## 3. IP Rights Vest with *Consultant*

Subject to articles GC 12.10 and GC 12.11 and the provisions of GC 11 National or Departmental Security, and without affecting any IP Rights or interests therein that have come into being prior to the Standing Offer and/or Call-Up or that relate to information or data supplied by *Canada* for the purposes of the Standing Offer and/or Call-Up, all IP Rights in the Foreground shall immediately, as soon as they come into existence, vest in and remain the property of the *Consultant*.

## 4. Ownership Rights in Deliverables

Notwithstanding the *Consultant's* ownership of the IP Rights in the Foreground that is a prototype, built work, building, structure, facility, model or custom or customized system or equipment together with associated manuals and other operating and maintenance documents and tools, *Canada* shall have unrestricted ownership rights in those deliverables, including the right to make them available for public use, whether for a fee or otherwise, and the right to sell them.

## 5. Licence to Foreground

Without limiting any implied licences that may otherwise vest in *Canada*, and in consideration of *Canada's* contribution to the cost of development of the Foreground, the *Consultant* hereby grants to *Canada* a non-exclusive, perpetual, irrevocable, worldwide, fully-paid and royalty-free licence to exercise all IP Rights in the Foreground that vest in the *Consultant* pursuant to article GC 12.3, for the purpose of:

- (a) the construction or implementation of any building, built works, structures and facilities, contemplated by the Project;
- (b) the further development or alteration or evolution of any part of the constructed or implemented Project, including procurement of materials and components for this purpose;
- (c) the further development, modification (including additions or deletions), completion, translation, or implementation of the Foreground and any addition to it as *Canada* may require for the purposes of the completion, utilization and subsequent evolution of the Project;
- (d) the use, occupancy, operation, exploitation, maintenance, repair or restoration of the constructed or implemented or subsequently modified Project, including the procurement of replacement materials and components required for any such purpose; and
- (e) the publishing and transmission of reproductions of the Project or any part thereof in the form of paintings, drawings, engravings, photographs or cinematographic works, to the public, in hard copy or by any electronic or other means, except for copies in the nature of architectural drawings or plans.

## 6. Licence to Foreground for Other Projects

The *Consultant* hereby grants to *Canada* a non-exclusive, perpetual, world-wide, irrevocable licence to exercise all IP Rights that vest in the *Consultant* pursuant to paragraph GC 12.3 for the purpose of planning, designing and constructing or otherwise implementing any project other than the Project, and for any purpose set out in paragraph GC 12.5 as it relates to such other project. In the event that *Canada* exercises such IP Rights in an other project, and provided that *Canada* does not already have equivalent rights under a previous contract or otherwise, *Canada* agrees to pay to the *Consultant* reasonable compensation determined in accordance with current industry practice and having regard to *Canada's* contribution to the cost of development of the Foreground. The *Consultant* shall ensure that in any sale, assignment, transfer or licence of any of the IP Rights that vest in the *Consultant* under the Standing Offer and/or Call-Up, the purchaser, assignee, transferee or licensee agrees to be bound by the terms of this provision and to accept reasonable compensation as is contemplated herein. The *Consultant* shall also ensure that any such purchaser, assignee, transferee or licensee of the IP Rights is required to impose the same obligations on any subsequent purchaser, transferee, assignee or licensee.

## 7. Licence to Background

Without limiting any implied licences that may otherwise vest in *Canada*, the *Consultant* hereby grants to *Canada* a non-exclusive, perpetual, irrevocable, worldwide, fully-paid and royalty-free licence to exercise such of the IP Rights in any Background incorporated into the *Services* or necessary for the performance of the *Services* as may be required

- (a) for the purposes contemplated in article GC 12.5 and GC 12.6;
- (b) for disclosure to any contractor engaged by *Canada*, or bidder for such a contract, to be used solely for a purpose set out in article GC 12.5 and GC 12.6;

and the *Consultant* agrees to make any such Background available to *Canada* upon request.

#### 8. *Canada's* Right to Disclose and Sub-license

The *Consultant* acknowledges that *Canada* may wish to award contracts, which may include a competitive process, for any of the purposes contemplated in article GC 12.5, GC 12.6 and GC 12.7. The *Consultant* agrees that *Canada's* licence in relation to the IP Rights in the Foreground and in the Background, includes the right to disclose that Foreground and Background to bidders for such contracts, and to sub-license or otherwise authorize the use of that Foreground and Background by any contractor or consultant engaged by *Canada* for the purpose of carrying out such a contract.

#### 9. *Consultant's* Right to Grant Licence

- (a) The *Consultant* represents and warrants that the *Consultant* has, or the *Consultant* shall obtain without delay, the right to grant to *Canada* the licence to exercise the IP Rights in the Foreground and the Background as required by the Standing Offer and/or Call-Up.
- (b) Where the IP Rights in any Background or Foreground are or will be owned by a *Sub-Consultant*, the *Consultant* shall either obtain a licence from that *Sub-Consultant* that permits compliance with articles GC 12.5, GC 12.6 and GC 12.7 or shall arrange for the *Sub-Consultant* to convey directly to *Canada* the same rights by execution of the form provided for that purpose by *Canada* no later than the time of disclosure to *Canada* of that Background and Foreground.

#### 10. Trade Secrets and Confidential Information

The *Consultant* shall not use or incorporate any trade secrets or confidential information in any Foreground or Background used or created in performance of the Standing Offer and/or Call-Up.

#### 11. *Canada* Supplied Information

- (a) Where performance of the *Services* involves the preparation of a compilation using information supplied by *Canada*, then the IP Rights that shall vest under paragraph GC 12.3 shall be restricted to the IP Rights in Foreground that are capable of being exploited without the use of the information supplied by *Canada*. All IP Rights in any compilation, the Foreground in which cannot be exploited without the use of such *Canada* supplied information shall vest in *Canada*. The *Consultant* agrees that the *Consultant* shall not use or disclose any *Canada* supplied information for any purpose other than completing the performance of the *Services*. The *Consultant* shall maintain the confidentiality of such information. Unless the Standing Offer and/or Call-Up otherwise expressly provides, the *Consultant* shall deliver to *Canada* all such information together with every copy, draft, working paper and note thereof that contains such information upon the completion or termination of the Standing Offer and/or Call-Up, or at such earlier time as *Canada* may require.

- (b) If the *Consultant* wishes to make use of any *Canada* supplied information that was supplied for purposes of the Standing Offer and/or Call-Up, for the commercial exploitation or further development of any of the Foreground, then the *Consultant* may make a written request for a licence to exercise the required IP Rights in that *Canada* supplied information, to *Canada*. The *Consultant* shall give *Canada* an explanation as to why such a licence is required. Should *Canada* agree to grant such a licence, it shall be on terms and conditions to be negotiated between the parties including payment of compensation to *Canada*.

## 12. Transfer of IP Rights

- (a) If *Canada* takes the *Services* out of the *Consultant's* hands in accordance with GC 9 of the General Conditions, in whole or in part, or if the *Consultant* fails to disclose any Foreground in accordance with article GC 12.2, *Canada* may upon reasonable notice, require the *Consultant* to convey to *Canada* all of the IP Rights in the Foreground or in the case of a failure to disclose, all the IP Rights in the Foreground not provided. The IP Rights to be conveyed shall include the IP Rights in any Foreground that have vested or are to vest in a *Sub-Consultant*. In the case of IP Rights in Foreground which have been sold or assigned to a party other than a *Sub-Consultant*, the *Consultant* shall not be obligated to convey those IP Rights to *Canada*, but shall pay to *Canada* on demand an amount equal to the consideration which the *Consultant* received from the sale or assignment of the IP Rights in that Foreground or, in the case of a sale or assignment was not at arms length, the fair market value of the IP Rights in that Foreground, in each case including the value of future royalties or licence fees.
- (b) In the event of the issuance by *Canada* of a notice referred to in (a), the *Consultant* shall, at the *Consultant's* own expense and without delay, execute such conveyances or other documents relating to title to the IP Rights as *Canada* may require, and the *Consultant* shall, at *Canada's* expense, afford *Canada* all reasonable assistance in the preparation of applications and in the prosecution of any applications for, or any registration of, any IP Right in any jurisdiction, including without limitation the assistance of the inventor in the case of Inventions.
- (c) Until the *Consultant* completes the performance of the *Services* and discloses all of the Foreground in accordance with article GC 12.2, and subject to the provisions of GC 11 National or Departmental Security, the *Consultant* shall not, without the prior written permission of *Canada*, sell, assign or otherwise transfer title to the IP Rights in any of the Foreground, or license or otherwise authorize the use of the IP Rights in any of the Foreground by any person.
- (d) In any sale, assignment, transfer or licence of IP Rights in Foreground by the *Consultant* except a sale or licence for end use of a product based on Foreground, the *Consultant* shall impose on the other party all of its obligations to *Canada* in relation to the IP Rights in the Foreground and any restrictions set out in the Standing Offer and/or Call-Up on the use or disposition of the IP Rights in the Foreground (and, if applicable, the Foreground itself), including the obligation to impose the same obligations and restrictions on any subsequent transferee, assignee or licensee. The *Consultant* shall promptly notify *Canada* of the name, address and other pertinent information in regard to any transferee, assignee or licensee.



### GC 13 Conflict of Interest and Values and Ethics Codes for the Public Service

1. The *Consultant* declares that the *Consultant* has no pecuniary interest in the business of any third party that would cause, or seem to cause, a conflict of interest in carrying out the *Services*, and should such an interest be acquired during the life of the Standing Offer, the *Consultant* shall declare it immediately to the *Departmental Representative*.
2. The *Consultant* shall not have any tests or investigations carried out by any persons, firms, or corporations, that may have a direct or indirect financial interest in the results of those tests or investigations.
3. The *Consultant* shall not submit, either directly or indirectly, a bid for any Construction Contract related to the Project.
4. The *Consultant* acknowledges that no individuals who are subject to the provisions of the Conflict of Interest Act, 2006, c. 9, s.2, the Conflict of Interest Code for Members of the House of Commons, the Values and Ethics Code for the Public Services, or all other codes of values and ethics applicable within specific organizations cannot derive any direct benefit resulting from the Standing Offer or subsequent Call-ups.
5.
  - (a) The *Consultant* shall not be eligible to compete as a consultant or sub-consultant for a project which may result from the provision of the *Services* if the *Consultant* is involved in the development of a Project Brief or Terms of Reference, a Request for Proposal or similar documents for such project.
  - (b) The *Consultant* providing certain pre-design services (e.g. studies, analysis, schematic design) that do not involve the development of a Project Brief or Terms of Reference, a Request for Proposal or similar documents for such project may be eligible to compete as a consultant or sub-consultant for a project which may result from the provision of these services. The experience acquired by a *Consultant* who has only provided pre-design services, where the information / documentation resulting from these services is made available to other proponents, will not be considered by Canada as conferring an unfair advantage or creating a conflict of interest.

### GC 14 Status of Consultant

The *Consultant* is an independent contractor engaged by Canada to perform the *Services*. Nothing in the Standing Offer through a Call-up is intended to create a partnership, a joint venture or an agency between Canada and the other party or parties. The *Consultant* must not represent itself as an agent or representative of Canada to anyone. Neither the *Consultant* nor any of its personnel is engaged as an employee or agent of Canada. The *Consultant* is responsible for all deductions and remittances required by law in relation to its employees.

### GC 15 Declaration by Consultant

The *Consultant* declares that:

- (a) based on the information provided pertaining to the *Services* required under the Standing Offer, the *Consultant* has been provided sufficient information by the *Departmental Representative* to enable the *Services* required under the Standing Offer to proceed and is competent to perform the *Services* and has the necessary licences and qualifications including the knowledge, skill and ability to perform the *Services*; and

- (b) the quality of *Services* to be provided by the *Consultant* shall be consistent with generally accepted professional standards and principles.

## GC 16 Insurance Requirements

### 1. General

- a) The Consultant shall ensure that appropriate liability insurance coverage is in place to cover the consultant and the members of the consultant team and shall maintain all required insurance policies as specified herein.
- b) The Consultant shall, if requested by the Contracting Officer at any time, provide to the Contracting Officer an Insurer's Certificate of Insurance and/or the originals or certified true copies of all contracts of insurance maintained by the Consultant pursuant to the provisions contained herein.
- c) The payment of monies up to the deductible amount made in satisfaction of a claim shall be borne by the Consultant.
- d) Any insurance coverages additional to those required herein that the Consultant and the other members of the consultant team may deem necessary for their own protection or to fulfill their obligations shall be at their own discretion and expense.

### 2. Commercial General Liability

- a) The insurance coverage provided shall not be less than that provided by IBC Form 2100, as amended from time to time, and shall have: a limit of liability of not less than \$5,000,000.00 per occurrence; an aggregate limit of not less than \$5,000,000.00 within any policy year.
- b) The policy shall insure the Consultant and shall include Her Majesty the Queen in right of Canada, represented by the Minister of Public Works and Government Services as an Additional Insured, with respect to liability arising out of the performance of the Services.

### 3. Professional Liability

- a) The Professional Liability insurance coverage shall be in an amount usual for the nature and scope of the Services but, shall have a limit of liability of not less than \$1,000,000 per claim, and be continually maintained from the commencement of performance of the Services until five (5) years after their completion.
- b) The following provision must be incorporated into the conditions of the Consultant's Professional Liability insurance coverage: "Notice of Cancellation of Insurance Coverage: The Insurer agrees to give the Contracting Authority at least thirty (30) days' prior written notice of any policy cancellation and before making any adverse material changes."

## GC 17 Resolution of Disagreements

- 1. In the event of a disagreement regarding any aspect of the *Services* or any instructions given under the Standing Offer and subsequent Call-ups:
  - (a) The *Consultant* may give a notice of disagreement to the *Departmental Representative*. Such notice shall be promptly given and contain the particulars of the disagreement, any

changes in time or amounts claimed, and reference to the relevant clauses of the Standing Offer and Call-up;

- (b) The *Consultant* shall continue to perform the *Services* in accordance with the instructions of the *Departmental Representative*; and
  - (c) The *Consultant* and the *Departmental Representative* shall attempt to resolve the disagreement by negotiations conducted in good faith. The negotiations shall be conducted, first, at the level of the *Consultant's* project representative and the *Departmental Representative* and, secondly and if necessary, at the level of a principal of the *Consultant* firm and a senior departmental manager.
2. The *Consultant's* continued performance of the *Services* in accordance with the instructions of the *Departmental Representative* shall not jeopardize the legal position of the *Consultant* in any disagreement.
  3. If it was subsequently agreed or determined that the instructions given were in error or contrary to the Standing Offer or Call-up, *Canada* shall pay the *Consultant* those fees the *Consultant* shall have earned as a result of the change(s) in the *Services* provided, together with those reasonable disbursements arising from the change(s) and which have been authorized by the *Departmental Representative*.
  4. The fees mentioned in GC 17.3 shall be calculated in accordance with the Terms of Payment set out in the Standing Offer and the relevant Call-up.
  5. If the disagreement is not settled, the *Consultant* may make a request to the *Departmental Representative* for a written departmental decision and the *Departmental Representative* shall give notice of the departmental decision within fourteen (14) *days* of receiving the request, setting out the particulars of the response and any relevant clauses of the Standing Offer or Call-up.
  6. Within fourteen (14) *days* of receipt of the written departmental decision, the *Consultant* shall notify the *Departmental Representative* if the *Consultant* accepts or rejects the decision.
  7. If the *Consultant* rejects the departmental decision, the *Consultant*, by notice may refer the disagreement to *Mediation*.
  8. If the disagreement is referred to *Mediation*, the *Mediation* shall be conducted with the assistance of a skilled and experienced mediator chosen by the *Consultant* from a list of mediators proposed by *Canada*, and departmental *Mediation* procedures shall be used unless the parties agree otherwise.
  9. Negotiations conducted under the Standing Offer and any resulting Call-up, including those conducted during *Mediation*, shall be without prejudice.

## GC 18 Amendments

The Standing Offer or any resulting Call-up may not be amended, or modified, nor shall any of its terms and conditions be waived, except by agreement in writing executed by the *Consultant* and the Contracting Authority.

## GC 19 Entire Agreement

The Standing Offer and Call-up constitutes the entire and only agreement between the parties and supersedes all previous negotiations, communications and other agreements, whether written or oral, unless they are incorporated by reference in the Standing Offer and/or Call-up. There are no terms, covenants, representations, statements or conditions binding on the parties other than those contained in the Standing Offer and Call-up.

## GC 20 Contingency Fees

The Consultant certifies that it has not, directly or indirectly, paid or agreed to pay and agrees that it will not, directly or indirectly, pay a contingency fee for the solicitation, negotiation or obtaining of the Standing Offer to any person, other than an employee of the Consultant acting in the normal course of the employee's duties. In this section, "contingency fee" means any payment or other compensation that depends or is calculated based on a degree of success in soliciting, negotiating or obtaining the Standing Offer and "person" includes any individual who is required to file a return with the registrar pursuant to section 5 of the Lobbying Act, 1985, c. 44 (4th Supplement).

## GC 21 Harassment in the Workplace

1. The Consultant acknowledges the responsibility of Canada to ensure, for its employees, a healthy work environment, free of harassment. A copy of the Treasury Board policy, the Policy on the Prevention and Resolution of Harassment in the Workplace, which is also applicable to the Consultant, is available on the Treasury Board Web site.
2. The Consultant must not, either as an individual, or as a corporate or unincorporated entity, through its employees or subconsultants, harass, abuse, threaten, discriminate against or intimidate any employee, consultant or other individual employed by, or under contract with Canada. The Consultant will be advised in writing of any complaint and will have the right to respond in writing. Upon receipt of the Consultant's response, the Contracting Authority will, at its entire discretion, determine if the complaint is founded and decide on any action to be taken.

## GC 22 Taxes

1. Federal government departments and agencies are required to pay *Applicable Taxes*.
2. *Applicable Taxes* will be paid by Canada as provided in the invoice submission. *Applicable Taxes* must be specified on all invoices as a separate item along with corresponding registration numbers from the tax authorities. All items that are zero-rated, exempt or to which these *Applicable Taxes* do not apply must be identified as such on all invoices. It is the sole responsibility of the Consultant to charge *Applicable Taxes* at the correct rate in accordance with applicable legislation. The Consultant agrees to remit to appropriate tax authorities any amounts of *Applicable Taxes* paid or due.
3. The Consultant is not entitled to use Canada's exemptions from any tax, such as provincial sales taxes, unless otherwise specified by law. The Consultant must pay applicable provincial sales tax, ancillary taxes, and any commodity tax, on taxable goods or services used or consumed in the performance of the contract (in accordance with applicable legislation), including for material incorporated into real property.
4. In those cases where Applicable Taxes, customs duties, and excise taxes are included in the *Contract Price*, the *Contract Price* will be adjusted to reflect any increase, or decrease, of *Applicable Taxes*, customs duties, and excise taxes that will have occurred between bid

submission and contract award. However, there will be no adjustment for any change to increase the *Contract Price* if public notice of the change was given before bid submission date in sufficient detail to have permitted the Consultant to calculate the effect of the change.

#### 5. Tax Withholding of 15 Percent - Canada Revenue Agency

Pursuant to the Income Tax Act, 1985, c. 1 (5th Supp.) and the Income Tax Regulations, Canada must withhold 15 percent of the amount to be paid to the Consultant in respect of services provided in Canada if the Consultant is not a resident of Canada, unless the Consultant obtains a valid waiver from the Canada Revenue Agency. The amount withheld will be held on account for the Consultant in respect to any tax liability which may be owed to Canada.

### GC 23 Changes in the *Consultant* team

1. Should an entity or person named in the Consultant's proposal as an entity or person who is to perform the *Services* or part of the *Services* be unable to perform or complete the *Services*, the *Consultant* shall obtain the concurrence of the *Departmental Representative* prior to performing or completing the *Services*, or entering into an agreement with another equally qualified entity or person to perform or complete the *Services*, such concurrence not to be unreasonably withheld.
2. In seeking to obtain the concurrence of the *Departmental Representative* referred to in paragraph 1, the *Consultant* shall provide notice in writing to the *Departmental Representative* containing:
  - (a) the reason for the inability of the entity or person to perform the *Services*;
  - (b) the name, qualifications and experience of the proposed replacement entity or person, and
  - (c) if applicable, proof that the entity or person has the required security clearance granted by *Canada*.
3. The *Consultant* shall not, in any event, allow performance of any part of the *Services* by unauthorized replacement entities or persons, and acceptance of a replacement entity or person by the *Departmental Representative* shall not relieve the *Consultant* from responsibility to perform the *Services*.
4. The *Departmental Representative*, with the authority of *Canada*, may order the removal from the *Consultant* team of any unauthorized replacement entity or person and the *Consultant* shall immediately remove the entity or person from the performance of the *Services* and shall, in accordance with paragraphs 1. and 2., secure a further replacement.
5. The fact that the *Departmental Representative* does not order the removal of a replacement entity or person from the performance of the *Services* shall not relieve the *Consultant* from the Consultant's responsibility to meet all the Consultant's obligations in the performance of the *Services*.

### GC 24 Joint and Several Liability

If at any time there is more than one legal entity constituting the *Consultant*, their covenants under the Standing Offer and/or Call-Up shall be considered to be joint and several and apply to each and every entity. If the *Consultant* is or becomes a partnership or joint venture, each legal entity who is a member or becomes a member of the partnership or joint venture or its successors is and continues to be jointly and

severally liable for the performance of the work and all the covenants of the *Consultant* pursuant to the Standing Offer and/or Call-Up, whether or not that entity ceases to be a member of the partnership, joint venture or its successor.

## **GC 25 Not Applicable**

## **GC 26 International Sanctions**

1. Persons in Canada, and Canadians outside of Canada, are bound by economic sanctions imposed by Canada. As a result, the Government of Canada cannot accept delivery of goods or services that originate, either directly or indirectly, from the countries or persons subject to economic sanctions (<http://www.international.gc.ca/sanctions/index.aspx?lang=eng>).
2. The Consultant must not supply to the Government of Canada any goods or services which are subject to economic sanctions.
3. The Consultant must comply with changes to the regulations imposed during the period of the Call-Up. The Consultant must immediately advise Canada if it is unable to perform the Services as a result of the imposition of economic sanctions against a country or person or the addition of a good or service to the list of sanctioned goods or services. If the parties cannot agree on a work around plan, the Call-Up will be terminated for the convenience of Canada in accordance with terms and conditions of the Standing Offer and/or Call-Up.

## **GC 27 Code of Conduct and Certifications - Standing Offer and Contract**

1. The Consultant agrees to comply with the Code of Conduct for Procurement (<http://www.tpsgc-pwgsc.gc.ca/app-acq/cndt-cndct/contexte-context-eng.html>) and to be bound by its terms. In addition to complying with the Code of Conduct for Procurement, the Consultant must also comply with the terms set out in this section.
2. The Consultant further understands that, to ensure fairness, openness and transparency in the procurement process, the commission of certain acts or offences may result in setting aside the Standing Offer and terminating for default any resulting contracts. If the Consultant made a false declaration in its proposal, makes a false declaration under the contract, fails to diligently maintain up to date the information herein requested, or if the Consultant or any of the Consultant's affiliates fail to remain free and clear of any acts or convictions specified herein during the period of the Standing Offer, such false declaration or failure to comply may result in the setting aside of the Standing Offer and the termination for default of any resulting contracts. The Consultant understands that a termination for default will not restrict Canada's right to exercise any other remedies that may be available against the Consultant and agrees to immediately return any advance payments.
3. For the purpose of this section, everyone, including but not limited to organizations, bodies corporate, societies, companies, firms, partnerships, associations of persons, parent companies and subsidiaries, whether partly or wholly-owned, as well as individuals and directors, are Consultant's affiliates if:
  - a. directly or indirectly either one controls or has the power to control the other, or
  - b. a third party has the power to control both.

Indicia of control, include, but are not limited to, interlocking management or ownership, identity of interests among family members, shared facilities and equipment, common use of

employees, or a business entity created following the acts or convictions specified in this section which has the same or similar management, ownership, or principal employees, as the case may be.

4. The Consultant must diligently maintain an up-to-date list of names by informing Canada in writing of any change occurring during the period of the Standing Offer and the period of any resulting contracts. The Consultant must also, when so requested, provide Canada with the corresponding Consent Forms.
5. The Consultant certifies that it is aware, and that its affiliates are aware, that Canada may verify the information provided by the Consultant, including the information relating to the acts or convictions specified herein through independent research, use of any government resources or by contacting third parties.
6. The Consultant certifies that neither the Consultant nor any of the Consultant's affiliates have directly or indirectly, paid or agreed to pay, and will not, directly or indirectly, pay a contingency fee to any individual for the solicitation, negotiation or obtaining of the Standing Offer and any call-ups made against the Standing Offer if the payment of the fee would require the individual to file a return under section 5 of the Lobbying Act.
7. The Consultant certifies that no one convicted under any of the provisions under a) or b) are to receive any benefit under a contract arising from this Standing Offer. In addition, the Consultant certifies that except for those offences where a criminal pardon or a record suspension has been obtained or capacities restored by the Governor in Council, neither the Consultant nor any of the Consultant's affiliates has ever been convicted of an offence under any of the following provisions:
  - a. paragraph 80(1)(d) (*False entry, certificate or return*), subsection 80(2) (*Fraud against Her Majesty*) or section 154.01 (*Fraud against Her Majesty*) of the *Financial Administration Act*, or
  - b. section 121 (*Frauds on the government and Offeror subscribing to election fund*), section 124 (*Selling or Purchasing Office*), section 380 (*Fraud*) for fraud committed against Her Majesty or section 418 (*Selling defective stores to Her Majesty*) of the *Criminal Code* of Canada, or
  - c. section 462.31 (*Laundering proceeds of crime*) or sections 467.11 to 467.13 (*Participation in activities of criminal organization*) of the *Criminal Code* of Canada, or
  - d. section 45 (*Conspiracies, agreements or arrangements between competitors*), 46 (*Foreign directives*) 47 (*Bid rigging*), 49 (*Agreements or arrangements of federal financial institutions*), 52 (*False or misleading representation*), 53 (*Deceptive notice of winning a prize*) under the *Competition Act*, or
  - e. section 239 (*False or deceptive statements*) of the *Income Tax Act*, or
  - f. section 327 (*False or deceptive statements*) of the *Excise Tax Act*, or
  - g. section 3 (*Bribing a foreign public official*) of the *Corruption of Foreign Public Officials Act*, or
  - h. section 5 (*Trafficking in substance*), section 6 (*Importing and exporting*), or section 7 (*Production of substance*) of the *Controlled Drugs and Substance Act*.

**0000DA SUPPLEMENTARY CONDITIONS****SC 1 Language Requirements**

1. Communication between *Canada* and the *Consultant* shall be in the language of choice of the *Consultant* team, which shall be deemed to be the language of the *Consultant's* proposal.
2. The *Consultant's services* during construction tender call (such as addenda preparation, tenderers' briefing meetings, technical answers to questions by bidders) shall be provided expeditiously in both languages, as necessary.
3. The *Consultant's services* during construction shall be provided in the language of choice of the *Contractor*. The successful *Contractor* will be asked to commit to one or other of Canada's official languages upon award of the *Construction Contract* and, thereafter construction and contract administration services will be conducted in the language chosen by the *Contractor*.
4. Other required services in both of Canada's official languages (such as construction documentation) are described in detail in the Standing Offer Brief.
5. The *Consultant* team, including the Prime *Consultant*, Sub-Consultants and Specialists Consultants shall ensure that the *services* being provided in either language shall be to a professional standard.

**SC 2 Federal Contractors Program for Employment Equity - Setting aside and Default by the Consultant**

The Consultant understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Consultant and HRSDC-Labour, the AIEE must remain valid during the entire period of the Standing Offer and contract. If the AIEE becomes invalid, the name of the Consultant will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by HRSDC may result in the setting aside of the Standing Offer and will constitute the Consultant in default as per the terms of the contract.



**9998DA TERMS OF PAYMENT****TP 1 Fees**

1. Subject to the terms and conditions of the Standing Offer, and in consideration for the performance of the *Services*, Canada shall pay to the *Consultant* a sum of money calculated in accordance with the fee arrangements identified herein and in 2000DA.
2. The *Consultant's* fees are only payable when the *Consultant* has performed the *Services* as determined by the *Departmental Representative*. Payment in respect of a *Service*, or part of a *Service*, is not to be deemed a waiver of *Canada's* rights of set-off at law or under this Standing Offer for costs or expenses arising from default or negligence of the *Consultant*.
3. The maximum amount payable under a Call-Up, including fees and disbursements, shall not be exceeded, without the prior written authorization of the Contracting Authority.

**TP 2 Payments to the Consultant**

1. The *Consultant* shall be entitled to receive progress payments at monthly or other agreed intervals, subject to the limitations of the Call-up, if applicable. Such payments shall be made not later than the due date. The due date shall be the 30th day following receipt of an acceptable invoice.
2. An acceptable invoice shall be an invoice delivered to the *Departmental Representative* in the agreed format with sufficient detail and information to permit verification. The invoice shall also identify, as separate items:
  - (a) the amount of the progress payment being claimed for *Services* satisfactorily performed,
  - (b) the amount for any tax calculated in accordance with the applicable federal legislation, and
  - (c) the total amount which shall be the sum of the amounts referred to in TP 2.2(a) and TP 2.2(b).
3. The amount of the tax shown on the invoice shall be paid by *Canada* to the *Consultant* in addition to the amount of the progress payment for *Services* satisfactorily performed.
4. The *Departmental Representative* shall notify the *Consultant* within fifteen (15) *days* after the receipt of an invoice of any error or missing information therein. Payment shall be made not later than thirty (30) *days* after acceptance of the corrected invoice or the required information.
5. Upon completion of each Call-up, the *Consultant* shall provide a Statutory Declaration evidencing that all the *Consultant's* financial obligations for *Services* rendered to the *Consultant* or on the *Consultant's* account, in connection with the Call-up, have been satisfied.
6. Upon written notice by a *Sub-Consultant*, with whom the *Consultant* has a direct contract, of an alleged non payment to the *Sub-Consultant*, the *Departmental Representative* may provide the *Sub-Consultant* with a copy of the latest approved progress payment made to the *Consultant* for the *Services*.
7. Upon the satisfactory completion of all *Services*, the amount due, less any payments already made, shall be paid to the *Consultant* not later than thirty (30) *days* after receipt of an acceptable invoice, together with the Statutory Declaration in accordance with TP 2.5.

**TP 3 Delayed Payment**

1. If *Canada* delays in making a payment that is due in accordance with TP 2, the *Consultant* will be entitled to receive interest on the amount that is overdue for the period of time as defined in TP 3.2 including the day previous to the date of payment. Such date of payment shall be deemed to be the date on the cheque given for payment of the overdue amount. An amount is overdue when it is unpaid on the first day following the due date described in TP 2.1.
2. Interest shall be paid automatically on all amounts that are not paid by the due date or fifteen (15) days after the *Consultant* has delivered a Statutory Declaration in accordance with TP 2.5 or TP 2.7, whichever is the later.
3. The rate of interest shall be the *Average Bank Rate* plus 3 percent per year on any amount which is overdue pursuant to TP 3.1.

**TP 4 Claims Against, and Obligations of, the Consultant**

1. *Canada* may, in order to discharge lawful obligations of and satisfy lawful claims against the *Consultant* by a *Sub-Consultant*, with whom the *Consultant* has a direct contract, for *Services* rendered to, or on behalf of, the *Consultant*, pay an amount from money that is due and payable to the *Consultant* directly to the claimant *Sub-Consultant*.
2. For the purposes of TP 4.1 a claim shall be considered lawful when it is so determined:
  - (a) by a court of legal jurisdiction, or
  - (b) by an arbitrator duly appointed to arbitrate the said claim, or
  - (c) by a written notice delivered to the *Departmental Representative* and signed by the *Consultant* authorizing payment of the said claim or claims.
3. A payment made pursuant to TP 4.1 is, to the extent of the payment, a discharge of *Canada's* liability to the *Consultant* under a specific Call-up and will be deducted from any amount payable to the *Consultant* under any active Call-up.
4. TP 4.1 shall only apply to claims and obligations
  - (a) The notification of which has set forth the amount claimed to be owing and a full description of the *Services* or a part of the *Services* for which the claimant has not been paid. The notification must be received by the *Departmental Representative* in writing before the final payment is made to the *Consultant* and within one hundred twenty (120) days of the date on which the claimant
    - (1) should have been paid in full under the claimant's agreement with the *Consultant* where the claim is for an amount that was lawfully required to be held back from the claimant; or
    - (2) performed the last of the *Services* pursuant to the claimant's agreement with the *Consultant* where the claim is not for an amount referred to in TP 4.4(a)(1), and
  - (b) the proceedings to determine the right to payment of which shall have commenced within one year from the date that the notification referred to in TP 4.4(a) was received by the *Departmental Representative*.

5. *Canada* may, upon receipt of a notification of claim referred to in TP 4.4(a), withhold from any amount that is due and payable to the *Consultant* pursuant to a Call-up the full amount of the claim or any portion thereof.
6. The *Departmental Representative* shall notify the *Consultant* in writing of receipt of any notification of claim and of the intention of *Canada* to withhold funds pursuant to TP 4.5. The *Consultant* may, at any time thereafter and until payment is made to the claimant, post with *Canada*, security in a form acceptable to *Canada* in an amount equal to the value of the said claim. Upon receipt of such security *Canada* shall release to the *Consultant* any funds which would be otherwise payable to the *Consultant*, that were withheld pursuant to the provision of TP 4.5.
7. The *Consultant* shall discharge all lawful obligations and shall satisfy all lawful claims against the *Consultant* for *Services* rendered to, or on behalf of, the *Consultant* in respect of this Standing Offer at least as often as this Standing Offer requires *Canada* to discharge its obligations to the *Consultant*.

#### **TP 5 No Payment for Errors and Omissions**

The *Consultant* shall not be entitled to payment in respect of costs incurred by the *Consultant* in remedying errors and omissions in the *Services* that are attributable to the *Consultant*, the *Consultant's* employees, or persons for whom the *Consultant* had assumed responsibility in performing the *Services*.

#### **TP 6 Payment for Changes and Revisions**

1. Payment for any additional or reduced *Services* authorized by the Departmental Representative, prior to their performance, and for which a basis of payment has not been established at the time of execution of the Call-up, shall be in an amount or amounts to be determined by the Departmental Representative, acting reasonably, subject to these Terms of Payment.
2. Payment for additional *Services* not identified at the time of execution of the Call-up shall be made only to the extent that
  - (a) the additional *Services* are *Services* that are not included in stated *Services* in the Call-Up; and
  - (b) The additional *Services* are required for reasons beyond the control of the *Consultant*.

#### **TP 7 Extension of Time**

If, and to the extent that, the time for completion of the *Construction Contract* is exceeded or extended through no fault of the *Consultant* in the opinion of *Canada*, payment for the *Services* required for such extended period of the contract administration shall be subject to review and equitable adjustment by *Canada*.

#### **TP 8 Suspension Costs**

1. During a period of suspension of the *Services* pursuant to GC 7 of clause 0220DA, General Conditions, the *Consultant* shall minimize all costs and expenses relating to the *Services* that may occur during the suspension period.
2. Within fourteen (14) days of notice of such suspension, the *Consultant* shall submit to the *Departmental Representative* a schedule of costs and expenses, if any, that the *Consultant* expects to incur during the period of suspension, and for which the *Consultant* will request reimbursement.

3. Payment shall be made to the *Consultant* for those costs and expenses that, in the opinion of *Canada*, are substantiated as having been reasonably incurred during the suspension period.

#### **TP 9 Termination Costs**

1. In the event of termination of any Call-up pursuant to GC 8 of clause 0220DA, General Conditions, *Canada* shall pay, and the *Consultant* shall accept in full settlement, an amount based on these Terms of Payment, for *Services* satisfactorily performed and any reasonable costs and expenses incurred to terminate the Call-Up.
2. Within fourteen (14) *days* of notice of such termination, the *Consultant* shall submit to the *Departmental Representative* a schedule of costs and expenses reasonably incurred. The *Consultant* must ensure that it has mitigated its costs to the best of its ability.
3. Payment shall be made to the *Consultant* for those costs and expenses that in the opinion of *Canada* are substantiated as having been reasonably incurred after the date of termination.
4. The *Consultant* has no claim for damages, compensation, loss of profit, loss of opportunity, allowance or otherwise by reason of, or directly or indirectly arising out of, any action taken or termination notice given by *Canada* under GC8 Termination.

#### **TP 10 Disbursements**

1. Subject to any provisions specifically to the contrary in the Supplementary Conditions, the following costs shall be included in the fees required to deliver the consultant services and shall not be reimbursed separately;
  - (a) reproduction and delivery costs of drawings, CADD files, specifications and other Technical Documentation specified in the Standing Offer Brief;
  - (b) standard office expenses such as any photocopying, computer costs, Internet, cellular phone costs, long distance telephone and fax costs, including that between the *Consultant's* main office and branch offices or between the *Consultant's* offices and other team members offices;
  - (c) courier and delivery charges for deliverables specified in the Standing Offer Brief;
  - (d) plotting;
  - (e) presentation material;
  - (f) parking fees;
  - (g) taxi charges;
  - (h) travel time;
  - (i) travel expenses; and
  - (j) local project office.
2. Subject to any provisions specifically to the contrary in the Supplementary Conditions, the following disbursements reasonably incurred by the *Consultant*, that are related to the *Services*

---

and approved by the Departmental Representative, shall be reimbursed to the Consultant at actual cost:

- (a) reproduction and delivery costs of drawings, CADD files, specifications and other Technical Documentation additional to that specified in the Standing Offer Brief;
  - (b) transportation costs for material samples and models additional to that specified in the Standing Offer Brief;
  - (c) project related travel and accommodation additional to that specified in the Standing Offer Brief shall be reimbursed in accordance with current National Joint Council (NJC) Travel Directive (<http://www.njc-cnm.gc.ca/directive/index.php?dlabel=travel-voyage&lang=eng&did=10&merge=2>); and
  - (d) other disbursements made with the prior approval and authorization of the Departmental Representative.
3. Disbursements shall be Project related and shall not include expenses that are related to the normal operation of the Consultant's business. The amounts payable, shall not exceed the amount entered in the Call-up, without the prior authorization of the Departmental Representative.

**9999DA CONSULTANT SERVICES****CS 1 Services**

The *Consultant* shall perform the *Services* described herein and in any subsequent Call-up, in accordance with the terms and conditions of this Standing Offer.

**CS 2 Standard of Care**

In performing the services, the Consultant shall provide and exercise the standard of care, skill and diligence required by customarily accepted professional practices and procedures developed by professional bodies in the performance of the services at the time when and the location in which the *Services* are provided.

**CS 3 Time Schedule**

The *Consultant* shall:

- (a) submit in a timely manner to the *Departmental Representative*, for approval, a time schedule for the *Services* to be performed, in detail appropriate to the size and complexity of the Project, and in a format as requested by the *Departmental Representative*;
- (b) adhere to the approved time schedule and, if changes in the approved time schedule become necessary, indicate the extent of, and the reasons for such changes, and obtain the approval of the *Departmental Representative*.

**CS 4 Project Information, Decisions, Acceptances, Approvals**

- 1. The *Departmental Representative* shall provide, in a timely manner, project information, written decisions and instructions, including acceptances and approvals relating to the *Services* provided by the *Consultant*.
- 2. No acceptance or approval by the *Departmental Representative*, whether expressed or implied, shall be deemed to relieve the *Consultant* of the professional or technical responsibility for the *Services* provided by the *Consultant*.

**CS 5 Changes in Services**

The *Consultant* shall:

- (a) make changes in the *Services* to be provided for the Project, including changes which may increase or decrease the original scope of *Services*, when requested in writing by the *Departmental Representative*; and
- (b) prior to commencing such changes, advise the *Departmental Representative* of any known and anticipated effects of the changes on the *Construction Cost Estimate*, *Consultant fees*, *Project Schedule*, and other matters concerning the Project.

**CS 6 Codes, By-Laws, Licences, Permits**

The *Consultant* shall comply with all statutes, codes, regulations and by-laws applicable to the design and where necessary, shall review the design with those public authorities having jurisdiction in order that the consents, approvals, licences and permits required for the project may be applied for and obtained.

## CS 7 Provision of Staff

The *Consultant* shall, on request, submit to the *Departmental Representative* for approval, the names, addresses, qualifications, experience and proposed roles of all persons, including principals, to be employed by the *Consultant* to provide the *Services* identified in the Call-up and, on request, submit any subsequent changes to the *Departmental Representative* for approval.

## CS 8 Sub-Consultants

1. The *Consultant* shall:
  - (a) prior to any Call-up notify the *Departmental Representative* of any other sub-consultants with whom the *Consultant* intends to enter into agreements for part of the *Services* and, on request, provide details of the terms, and *Services* to be performed under the said agreements and the qualifications and names of the personnel of the *Sub-Consultants* proposed to be employed on any Call-up;
  - (b) include in any agreements entered into with sub-consultants such provisions of this Standing Offer as they apply to the *Sub-Consultants'* responsibilities; and
  - (c) upon written notice by a *Sub-Consultant*, with whom the *Consultant* has a direct contract, inform the *Sub-Consultant* of the *Consultant's* obligations to the *Sub-Consultant* under this Standing Offer.
2. The *Departmental Representative* may object to any *Sub-Consultant* within six (6) days of receipt of notification given in accordance with CS 8.1(a) and, on notification of such objection, the *Consultant* shall not enter into the intended agreement with the *Sub-Consultant*.
3. Neither an agreement with a *Sub-Consultant* nor the *Departmental Representative's* consent to such an agreement by the *Consultant* shall be construed as relieving the *Consultant* from any obligation under this Standing Offer or subsequent Call-ups, or as imposing any liability upon *Canada*.

## CS 9 Cost Control

If the *services* required under a call-up are for a construction project, the following will apply:

1. Throughout Project development, the *Construction Cost Estimate* prepared by the *Consultant* shall not exceed the *Construction Cost Limit*.
2. In the event that the *Consultant* considers that the *Construction Cost Estimate* will exceed the *Construction Cost Limit*, the *Consultant* shall notify the *Departmental Representative* and
  - (a) if the excess is due to factors under the control of, or reasonably foreseeable by the *Consultant*, the *Consultant* shall, if requested by the *Departmental Representative*, and at no additional cost to *Canada*, make such changes or revisions to the design as may be necessary to bring the *Construction Cost Estimate* within the *Construction Cost Limit*; or

- (b) if the excess is due to factors that are not under the control of the *Consultant*, changes or revisions may be requested by the *Departmental Representative*. Such changes or revisions shall be undertaken by the *Consultant* at *Canada's* expense, and the cost involved shall become an amount to be mutually agreed, prior to performance of the said changes or revisions.
3. If the lowest price obtained by bid process or negotiation exceeds the *Construction Cost Limit*, and if the excess is due to reasons within the control of, or reasonably foreseeable by the *Consultant*, the *Consultant* shall, if requested by the *Departmental Representative*, and without additional charge, be fully responsible for revising the Project scope and quality as required to reduce the construction cost and shall modify the construction documents as necessary to comply with the *Construction Cost Limit*.



**2000DA CALCULATION OF FEES****CF 1 Fee Arrangement(s) for Services**

1. The fee to be paid to the *Consultant* for the *Services* pursuant to any Call-up, shall be determined by one or more of the following methods:
  - (a) **Fixed Fee:**  
The fixed fee will be established by multiplying the applicable hourly rate(s) by the number of hours, negotiated and agreed to by the *Departmental Representative* and the *Consultant*.
  - (b) **Time Based Fee to an Upset Limit:**  
An upset limit will be established by the *Departmental Representative*, and the *Consultant* will be paid for actual work performed using the applicable hourly rate(s) for such work.
2. **Maximum Amount(s) Payable**  
The maximum amount(s) that applies (apply) to the *Services* to be carried out at the fixed hourly rates shall be as specified in the Call-up, which amount(s) shall not be exceeded without the prior authorization of the *Departmental Representative* with the approval of Canada.

**CF 2 Payments for Services**

1. Payments in respect of the fixed fee shall be made upon satisfactory performance of the *Services* but such payments shall not exceed the amount(s) as specified in the Call-up, for each *Service*.
2. Payments in respect of the time based fee arrangement shall be made upon satisfactory performance of the *Services* but such payments shall not exceed the amount(s) as specified in the Call-up, for each *Service*.
3. Progress payments, in respect of all fee arrangements, shall be made in accordance with TP 2 in clause 9998DA, Terms of Payment, of the Standing Offer, but such payments shall not exceed the value of the fee indicated for each *Service* under consideration.
4. If, for reasons attributable to the *Consultant*, a price cannot be obtained by a tender or negotiation within the *Construction Cost Limit*, or acceptable to the *Departmental Representative* for the award of the *Construction Contract*, the *Consultant* shall be entitled to receive payment for the tender call, bid evaluation and construction contract award *Services*, only when the requirements of CS 9.3, in clause 9999DA, Consultant Services and Departmental Responsibilities, have been met.

Solicitation No. - N° de l'invitation

EP168-130975/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

fe102

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

20130975

File No. - N° du dossier

fe102EP168-130975

CCC No./N° CCC - FMS No/ N° VME

---

## STANDING OFFER BRIEF

### General Project Objectives (for call-ups)

GPO 1 Project Objectives

GPO 2 Issues

### Description of Services

PA 1 Project Administration

### Required Services

RS 1 Pre-Design Services

RS 2 Schematic Design

RS 3 Design Development

RS 4 Construction Documents

RS 5 Tender Call, Bid Evaluation & Construction Contract Award

RS 6 Construction and Contract Administration

RS 7 Risk Management

## **GENERAL PROJECT OBJECTIVES**

### **GPO 1 PROJECT OBJECTIVES**

Each call-up will elaborate on the specific objectives for individual projects; however, the following broader government objectives will apply to all call-ups:

#### **GPO 1.1 Design Principles - General**

PWGSC (the Department) expects the Consultant to maintain a high standard of architectural design, based upon recognized contemporary design principles. All design elements, planning, architectural, and engineering, must be fully coordinated, and consistent in adherence to good design principles, including the application of integrated design process principles.

The project is to be implemented in a sustainable environmentally responsible manner.

Quality of materials and construction methods shall be commensurate with the type of building and the budget. It shall take into account the total life-cycling of the building.

Operating costs must be kept to a minimum and reflect the projected operating costs in the cost plan. This is to be achieved by compliance with the Energy Budget, selection of equipment, requiring the minimum of operating personnel, and building finishes for easy maintenance, etc.

#### **GPO 1.2 Sustainable Development**

In its Sustainable Development Strategy (SDS), PWGSC has committed to meet the requirements of LEED Gold for the construction of new office buildings, and of LEED Silver or Green Globes 70% or equivalent for its major renovations or the construction of new buildings other than office buildings. The department also made commitments for key environmental aspects (e.g., energy, water, waste). In addition to the objectives vis-à-vis LEED or equivalent green building rating systems, the following sustainable design objectives should be targeted for PWGSC "Standard" Base-Building (Fit-Up as applicable) projects:

**1.2.1 Energy Management**

- Design should result in a building that exceeds the energy performance of a comparable building designed to meet the Model National Energy Code for Buildings (MNECB) by a minimum of 35%, and preferably by 50%.
- Design has considered the inclusion of renewable energy design features (.e.g., passive solar air and water, bio-mass energy supply, etc.) as part of its energy management strategy, accessing the RETScreen® Clean Energy Project Analysis Software (<http://www.etscreen.net/ang/home.php>, french <http://www.etscreen.net/fr/home.php>) of Natural Resources Canada to evaluate options and assess feasibility.

**1.2.2 Water Management**

- Designed water consumption for the building shall not exceed 70% of the industry average from the previous year as published by the Building Owners and Managers Association (BOMA).
- If applicable, design landscape to be water efficient, as per the LEED credits WE 1, 2 and 3 or equivalent.
- Design shall investigate and report on the feasibility of incorporating a "grey water" system and/or a rainwater harvesting system to supply water for non-potable water applications.
- Design shall investigate and report on the feasibility of incorporating on-site wastewater treatment.
- Design shall incorporate stormwater management strategies, where applicable, such as green roofs, other roof top temporary stormwater retention features, landscaped retention ponds, rain gardens, permeable (pervious) surface materials (including paving), and other temporary storage or treatment alternatives.

**1.2.3 Resource Use and Product Selection**

- Design must have undergone an assessment for embodied energy, resource consumption and environmental impacts using the Athena™ Life-Cycle Assessment Model of the Athena Sustainable Materials Institute.
- Where available, feasible and meet the performance requirements, products will be specified that meet the requirements necessary for certification by the Environmental Choice (EcoLogo) Program or other equivalent programs.
- Products are specified that eliminate hazardous materials in their content, manufacture, application, and use.
- Where available, feasible and meet the performance requirements, products such as paints, adhesives and sealant that will be specified will have no or low levels of emissions of volatile organic compounds (VOCs).
- Where available, feasible and meet the performance requirements, products will be specified that contain a minimum 10% of post consumer recycled product.
- Where feasible, design will incorporate the concept of "designing for disassembly" to promote reuse and to reduce waste (CSA Z782-06 Guideline for design for disassembly and adaptability in buildings).

**1.2.4 Indoor Environmental Quality**

- 
- Indoor air quality must meet the standards as required by the Canada Labour Code Part II as well as ANSI/ASHRAE Standard 62-2010 and ANSI/ASHRAE Standard 55-2010 at a minimum.
  - The design shall ensure that there are no instances that will promote the accumulation of moisture in the HVAC system or the collection of standing water.
  - Passive ventilation systems shall be investigated to replace or supplement mechanical HVAC systems.
  - All noxious or unpleasant odours arising as a result of construction activities shall be purged from the space/facility prior to occupancy and filters replaced.
  - Design options such as CO<sub>2</sub> sensors, humidity sensors, operable windows and individual air volume controls shall be examined for their feasibility.
  - Lighting levels shall meet the minimum requirements of the Canadian Occupational Safety and Health (COSH) Regulations, the National Building Code (NBC), the Canadian Electrical Code (CEC) and PWGSC's "Office Lighting Standard".
  - Lighting strategies shall be designed to apply the minimum for way-finding and employ to task lighting to the maximum extent feasible and consistent with functional requirements.
  - Lighting strategies shall be designed to maximize the availability of natural light while effectively addressing the adverse effects of lighting glare (both natural and artificial) on video display terminals (VDTs).
  - The most current industry standards for indoor environmental controls for air and light quality shall be specified.
  - The project design and finishing materials specified shall be reviewed for their impact on the acoustical quality of the space after fit-up.

### **GPO 1.3 Waste Management**

The Construction, Renovation, and Demolition (CRD) Non-hazardous Solid Waste Management Protocol (most recent version to be referred to) to which Real Property Branch (RPB) is bound, provides directions on the undertaking of non-hazardous solid waste management actions for CRD projects. The protocol is designed to meet the requirements of federal and provincial policies and the objectives of the (RPB) Sustainable Development Strategy (SDS) as these relate to non-hazardous solid waste generated in CRD projects.

For all Real Property Branch projects where the area exceeds 2,000 m<sup>2</sup> or where the total project cost exceeds \$1million, a solid waste management program must be implemented. This requirement exists by regulation in the province of Ontario and by policy for the rest of Canada. A minimum landfill diversion rate of 75% is to be achieved where local recycling facilities exist. Deliverables of the waste management program include a waste audit and waste reduction workplan, a material source separation program and a final waste management summary report detailing the achieved waste diversion results of the project. For projects where the area is less than 2,000 m<sup>2</sup>, a preliminary waste management evaluation of the economic feasibility of a waste management program must be carried out. While a full program may not be warranted, the project should aim to divert as many waste materials as possible through reuse and recycling practices.

The results from the RPB CR&D waste management pilot projects have been very positive. Based on these results and results obtained from similar projects that have been completed by other organizations, the following can be said:

- ❖ In most cases 60% to 95% of the waste generated during CR&D projects can be diverted from landfill through reduction, reuse, and recycling initiatives. Contractors and projects managers must plan for extra project time when implementing CR&D waste diversion initiatives. However, added labour hours costs can be recuperated and a savings of up to 30% or more of the waste management costs (approximately 10% of the total project budget) can be achieved through reduced tipping fees, avoided haulage costs, and the sale of reusable and recyclable materials.

The Project Manager will provide details of waste management delivery strategies. Details for specifying deliverables are provided in "Required Services" - Waste Management.

### **GPO 1.4 Code Compliance**

National, Provincial and Municipal Codes, regulations, by laws and decisions of “authorities having jurisdiction” to be observed. In cases of overlap, the most stringent will apply. The Consultant shall identify other jurisdictions appropriate to the project.

### **GPO 1.5 Risk Management**

A risk management strategy is crucial for PWGSC Project Management and integrates project planning into procurement planning. All the stakeholders of a project will be an integral part of the risk management strategy, culminating in an integrated product team. Specific services required for project delivery are outlined in Required Services.

### **GPO 1.6 Health and Safety**

Public Works and Government Services Canada (PWGSC), recognizes the responsibility to ensure the health and safety of all persons on Crown construction projects and the entitlement of both federal employees and private sector workers to the full protection afforded them by occupational health and safety regulations.

In keeping with the responsibility and in order to enhance health and safety protection for all individuals on federal construction sites, PWGSC will voluntarily comply with the applicable provincial/territorial construction health and safety acts and regulations, in addition to the related Canada Occupational Safety and Health Regulations. PWGSC also has a departmental policy, DP 007, Health and Safety Policy (2007-12-19), which applies to all projects.

### **GPO 1.7 PWGSC Standards and Procedures**

For standards relating to the service provisions herein please refer to “Doing Business with NCA” which is the new document which replaces “Doing Business”. The standards in PWGSC document “Doing Business with NCA ” (Appendix ‘D’) and at project delivery stage as described in each individual Call-up must be adhered to in conjunction with this scope of services.

## **GPO 2        ISSUES**

### **GPO 2.1   Major Cost Issues**

#### **Issue:** Budget Limitations

##### **Strategy to control cost:**

Effective cost estimating and cost control is of prime importance and shall be provided by Professional Quantity Surveyors. The class C and Class B cost estimates shall be submitted in elemental cost analysis format. The standard of acceptance for this format is the current issue of the elemental cost analysis format issued by the Canadian Institute of Quantity Surveyors.

The class A cost estimate shall be submitted in trade cost breakdown format. Cost estimates shall have a summary plus full back-up showing items of work, quantities, unit prices and amounts.

### **GPO 2.2   Major Time Issues**

#### **Issue:** “out of service time frame”

It is imperative that the out of service time frame for the various projects as a result of construction be minimized as much as possible. Program operations and time frames will govern the particular allotted time frame for construction through the identified Call-Up.

### **GPO 2.3   Major Operational Issues**

#### **Issue:** Adjacent Programs

Sustainability of adjacent programs is mandatory and therefore design decisions must be sensitive to that requirement. Additional factors recognized as affecting adjacent programs are the following: reliability of systems and equipment, redundancy to ensure continued operation, and prolonged commissioning issues.

## **DESCRIPTION OF SERVICES**

### **PA 1 PROJECT ADMINISTRATION**

#### **INTENT**

The following administrative requirements apply during all phases of project delivery and will be stipulated in each Call-Up.

#### **PA 1.1 COORDINATION WITH PWGSC**

The Project Manager assigned to the project is the Departmental Representative.

The Project Manager is directly concerned with the project and responsible for its progress. The Project Manager is the liaison between the Consultant, Public Works and Government Services Canada and the Client Departments.

Public Works and Government Services Canada administers the project and exercises continuing control over the Consultant's work during all phases of development. Unless directed otherwise by the Project Manager, the Consultant obtains all Federal requirements and approvals necessary for the work.

The consultant shall:

1. Carry out services in accordance with approved documents and directions given by the project manager.
2. Correspond only with the project manager at the times and in the manner dictated by the project manager. The consultant shall not communicate with the client department unless so authorized by the project manager.
3. Ensure all communications carry the PWGSC's Project Title, Project Number and File Number.
4. Advise the project manager of any changes, that may affect schedule or budget or are inconsistent with instructions or written approvals previously given. The consultant shall detail the extent and reasons for the changes and obtain written approval before proceeding.



## **PA 1.2 COORDINATION WITH SUB-CONSULTANTS**

The consultant shall:

1. Throughout all stages of the Project, coordinate and assume responsibility for the work of any sub-consultants and specialists retained by the consultant.
2. Ensure clear, accurate and ongoing communication of concept, budget, and scheduling issues (including changes) as they relate to the responsibilities of all sub-consultants and specialists from initial base building reviews to post construction reports.
3. Ensure Sub-Consultants and specialists provide adequate site inspection services and attend all required meetings.

## **PA 1.3 General Project Deliverables**

Where deliverables and submissions include summaries, reports, drawings, plans or schedules, provide six (6) hard copies of all deliverables plus two in electronic format.

All documents (drawings and specification) are to be produced in accordance with PWGSC document "Doing Business with NCA" (Appendix 'D') and at project delivery stage as per schedule described in each individual Call-up.

## **PA 1.4 Lines of Communication**

Correspond only with the project manager at the times and in the manner dictated by the project manager. The consultant shall not communicate with the client department unless so authorized in writing by the project manager.

During construction tender call, Public Works and Government Services Canada conducts all correspondence with bidders and makes the contract award.

## **PA 1.5 Media**

The consultant shall not respond to requests for project related information or questions from the media. Such inquiries are to be directed to the Project Manager.

## **PA 1.6 Meetings**

The Project Manager may arrange meetings every 2 weeks throughout the entire project development period, for all members of project team, including representatives from:

- Client Department
- Public Works and Government Services Canada
- Consultants

The Consultant shall attend the meetings, record the issues and decisions and prepare and distribute minutes within 48 hours of the meeting.

### **PA 1.7 Project Response Time**

It is a requirement of all projects covered under this Standing Offer that the prime consultant and their proposed sub-consultants should be personally available to attend meetings and respond to inquiries within half (½) a day of the Project Manager's request, in the locality of the place of the work from the date of the award of the consultant call-up until final inspection and turnover.

The proponent must be able to demonstrate the availability of adequate resources within their proposed team(s) to deliver the scope of services required by a call-up and as outlined in this Standing Offer in a timely fashion.

### **PA 1.8 Submissions, Reviews and Approvals**

For each call-up, work in progress may be reviewed by the Project Manager as well as; but, not limited to the following:

#### **PWGSC - Quality Assurance review**

- Submission Format: reports, drawings and specifications
- Submission Schedule: Submissions are reviewed at a time to be arranged. Give 10 days notice when work will be completed and delivered to the Project Manager.
- Expected Turnaround Time: 2 weeks
- Number of Submissions: until approval has been received

#### **CLIENT - Design review and approval**

- Submission Format: reports, drawings and specifications, and oral presentations
- Submission Schedule: Submissions are reviewed at a time to be arranged. Give 10 days notice when work will be completed and delivered to the Project Manager.
- Expected Turnaround Time: 2 weeks
- Number of Submissions: until approval has been received

#### **Human Resources Social Development Canada (HRSDC), Labour Program, Fire Protection - review**

- Submission Format: drawings and specifications
- Submission Schedule: Submissions are reviewed at a time to be arranged. Give 10 days notice when work will be completed and delivered to the Project Manager.
- Expected Turnaround Time: 1 month
- Number of Submissions: until approval has been received.

Chart of Reviews and Approvals		PWGSC		Client		HRSDC	
		R	A	R	A	R	A
<b>RS1 Pre-Design Services</b>							
Project Scope of Services Report			x		x		
Class 'D' Estimate		x			x		
<b>RS2 Schematic Design</b>							
Design Options		x		x			
Recommended Design Option			x		x	x	
Class 'C' Estimate(s)		x			x		
<b>RS3 Design Development</b>							
Design Development Documents			x		x		
Class 'B' Estimate(s)		x			x		
<b>RS4 Construction Documents / Tender Call</b>							
33% Construction Drawings			x	x		x	
66% Construction Drawings and Specs			x	x			
99% Construction Drawings and Specs			x		x		
Class 'A' Estimate(s)		x			x		
Final Tender Documents			x		x	x	

R = Review    A = Approval

### PA 1.9 Bilingual Construction Documents:

Construction Documents in both official languages as required.

#### Bilingual Requirements:

- The consultant shall prepare all construction documents in Canada's two official languages.
- The languages are considered equal in status; neither is considered to be a translation of the other.
- The consultant shall be responsible for the accuracy and completeness of translations and the consistency of documents.
- It is standard practice to produce a single set of drawings (originals) on which written information is shown in both languages and separate written documents for each language for tendering, records drawings, operating and maintenance documentation.

## REQUIRED SERVICES

Basic services are considered to be the traditional architectural design services (full/integrated design service) provided by the prime consultant and the services provided by the three basic engineering disciplines: structural, mechanical and electrical, with the specification writer and cost estimator as sub-consultants and/or in-house resources.

The consultant may be requested to provide one or more of the additional and/or specialized services as part of the specific project.

The Consultant shall coordinate and manage the additional and/or specialized services, provided by Sub-Consultants and /or Specialists required to complete project requirements in support of the requested services under a Call-Up.

### RS 1 Pre-Design Services (Stage 1A)

The purpose of this stage is to develop:

1. Analysis of Project Requirements
2. Feasibility Studies / Options Analysis;
3. Site Analysis and Selection;
4. Building Surveys, Audits, and Measured Drawings;
5. Functional Requirements;
6. Master Planning;
7. Financial Planning;
8. Implementation Strategy and Schedule;
9. Detailed Investigation Reports;
10. Sustainable Development Strategies and Report;
11. Hazardous Waste Disposal Strategies and Report;
12. Facility Equipment Evaluation and Recommendations Report;
13. Telecommunications Requirements Report;
14. Security Requirements Report;
15. Environmental Clean-up Report;
16. Decommissioning Report; and / or
17. Order of Magnitude Cost Report.

#### RS 1.1 Analysis of Project Requirements

##### 1.1.1 Intent

The purpose of this stage is to ensure the consultant has reviewed and integrated all the project requirements, identified and evaluated conflicts or problems, provide alternative strategies, presented and received approval on a Project scope, delivery process, schedule and estimate required to deliver a cohesive quality project. This approved deliverable will become the Project Scope of Services and will be utilized throughout the project to guide the delivery.

### 1.1.2 General

#### Scope and Activities

- Visit the building/site and verify the availability and capacity of services needed for the project
- Attend project start up meeting
- Analyze the project requirements/program
- Review all available existing material related to the project
- Review the proposed project schedule for verification that all milestone dates are achievable
- Review the cost plan/budget for verification that the costs are realistic and achievable
- Identify and verify all authorities having jurisdiction over the project
- Identify the codes, regulations and standards that apply
- Establish a framework for this project to minimize environmental impacts consistent with the project objectives and economic constraints

#### 1.1.3 Deliverables

- Comprehensive summary of the project requirements/program demonstrating understanding of the scope of work including:
- report on existing base building system elements including their condition, deficiencies and life expectancy.
- confirmed or adjusted project cost and time plans
- written identification of the problems, conflicts or other perceived information/clarifying assumptions for the acknowledgment of the project manager

## Feasibility Studies / Options Analysis

### 1.2.1 Intent

#### Feasibility Study:

A report which outlines the research and subsequent analysis to determine the viability and practicability of a project. A feasibility study analyzes economic, financial, market, regulatory, environmental/sustainable and technical issues. The purpose at this stage is to: investigate and analyze site conditions, including soil conditions, zoning, bylaws, traffic reports, service capacities, base building support systems, special purpose support systems etc. and to provide recommendations.

#### Options Analysis:

A design test (in schematic form) for the feasibility study recommendations to determine that the recommendations can be accommodated in a minimum of three (3) distinctly different options.

#### Cost Estimate:

Class 'D' "Order of Magnitude" costs. (see RS 1.12)

### 1.2.2 Scope and Activities

**Feasibility Study:** (but not limited to)

- 
- Functional Programs, including general space requirements and functional relationships, to identify the scope of a project;
  - Studies of regulations to determine code and zoning constraints, urban design objectives, and community issues related to a project;
  - Identification and evaluation of potential sites;
  - Environmental impact analysis;
  - Market studies, which forecast demand and also real estate market value of a completed project;
  - Demographic studies predicting demand and possibly, preferences and lifestyle trends;
  - Financial studies identifying: 1) capital, operating, and maintenance costs 2) sources of revenues, including funds to offset capital and operating costs;
  - Valuation of land and sites;
  - Evaluation of existing facilities, including: building envelope; mechanical, electrical, and structural systems; functional adaptability; code compliance;
  - Life cycle cost analysis;
  - Studies to determine the compatibility of functional program with an existing or renovated building;
  - Exploration of alternatives, such as the best fit of a functional program with several potential sites;
  - Exploration of economic partnerships with the private sector in order to reduce capital spending on public projects;
  - Existing structures and their adaptive future reuse;
  - Visit the building/site, investigate and analyze the availability and capacity of building services needed for the project;
  - Investigate functional requirements for the particular facility;
  - Review availability of construction materials used in the existing facility;
  - Consider use of new technologies and energy from renewable sources.
  - Investigate and analyze project compliance with all applicable codes, regulations standards, including (but not limited to): National Building Code, Canada Labour Code, Model National Energy Code, NFPA, Ontario and Québec Occupational Health and Safety, Medical Research Council;
  - Identify all authorities having jurisdiction over the project;
  - Minimize environmental impacts of the project consistent with economic constraints and project objectives, as per the *Canadian Environmental Assessment Act 2012(CEAA 2012)*; and
  - Prepare recommendations on the feasibility of the project.

#### **Options Analysis** (but not limited to)

- Test the feasibility study recommendations on a minimum of three (3) options, schematic (sketch) only;
- Bubble and flow diagrams;
- Adjacencies and functional relationships;
- Horizontal and vertical stacking relationships;
- Orientation and renewable energy and
- Indication of the preferred option.

#### **Class 'D' Order of Magnitude Cost** (for each option)

See RS 1.12

### **1.2.3 Deliverables:**

- Comprehensive summary of the existing conditions, feasibility and options analysis including:
- Report on existing base building system elements including their condition, deficiencies and life expectancy;
- Report on existing facility systems requirements;
- Report on all applicable codes, regulation, standards and authorities having jurisdiction;
- Report on the level of environmental risk, the consultant must complete and submit a Environmental Compliance Management Program (ECMP) Checklist to Environmental Services. After an ECMP Checklist is completed, a determination is made by Environmental Services as to the level of CEAA environmental risk and the necessary actions required by the project manager and Environmental Services;
- Report on recommendations and options analysis.
- Written identification of the problems, conflicts or other perceived information/clarifying assumptions;
- Report on Class 'D' Order of Magnitude Cost for each option.

## **RS 1.3 Site Analysis and Selection**

### **1.3.1 Intent**

Site analysis include the evaluation of an existing or potential site in relation to the building program, budget, and construction schedule.

Review the site of the project and assess the suitability of the site to accommodate the client's project. In doing so, take into account known site constraints, ability to support future additions and alterations, and potential impact of proposed developments in the vicinity of the site.

### **Data collection:**

To evaluate the site the consultant must assemble the following information:

- Existing conditions which have an impact on the design:
  - ❖ Climate, including prevailing winds, solar orientation, etc.;
  - ❖ Topography, including site contours, drainage, water courses, visual characteristics, physical features, vegetation, water bodies, etc.;
  - ❖ Geotechnical or soil information;
  - ❖ Environmental hazards;
  - ❖ Immediate surroundings, including neighboring structures, shading and solar access, noise, views, and vistas;
- Property description:
  - ❖ Legal description, including boundary survey, easements, right-of-way, etc.;
  - ❖ Vehicular and pedestrian access;
  - ❖ Utilities and services available to the site.

### **Zoning and Other Regulations:**

Identify the zoning or land use regulations which apply to the site, including:

- Permitted uses;
- Minimum area;

- Height restrictions;
- Setbacks;
- Lot coverage: floor area ratio, percentage of coverage
- Open space requirements;
- Parking requirements;
- Other requirements.

## **RS 1.4 Building Surveys, Audits, and Measured Drawings**

Ascertain the purpose of the measured drawings and the accuracy required . After confirming the purpose with the client, make measurements, augment with photographs and field notes, and prepare drawings.

Prepare measured drawings of visible conditions.

## **RS 1.5 Functional Requirements**

Note that PWGSC has put in place a Functional Programming Standing Offer which service the NCA. Thus, it is not likely that the Architectural Standing offer will be used for a full fledged (interior) functional program.

If such service is required, it will be at a high strategic level.

When requested, the consultant shall: develop floor plates which outline rentable areas, mechanical areas and electrical areas, identify volumes of space needed, identify circulation requirements and finally, identify usable m².

### **1.5.1 Intent**

“A problem well-stated is already half-solved.”

For any interior work related to office fit-up, the consultant shall follow the Government of Canada Workplace 2.0 Fit-up Standards :

<http://www.tpsgc-pwgsc.gc.ca/biens-property/amng-ftp/index-eng.html>

### **Functional Requirements (Program):**

A written statement which describes various criteria and data for a building (facility) project including design objectives, site requirements and constraints, spatial requirements and relationships, building systems and equipment, facility systems and equipment, and future expandability. The purpose of this stage is to describe the requirements which a building (facility) must satisfy in order to support and enhance human activities.

The programming process seeks to answer the following questions:

- What is the nature and scope of the problem?
- What information is required to develop a proper design solution to the problem?
- How much and what type of space is needed?



- What space will be needed in the next five to ten years to continue to operate efficiently?
- How can sustainability be addressed at this stage?

### **Options Analysis:**

A design test (in schematic form) for the functional program recommendations to determine that the recommendations can be accommodated in a minimum of three (3) options.

### **Cost Estimate:**

Complete with class 'D' "Order of Magnitude" costs. (see RS 1.12)

## **1.5.2 General**

### **Scope and Activities**

In preparing a functional program, the consultant's main task is to examine the client's world in detail so as to define the clients needs and objectives. These requirements will establish criteria for evaluating potential design solutions and other strategic alternatives.

The consultant must understand:

- The impact of a building's occupants and processes (facilities) on the built environment;
- The social and environmental impacts of the building's program on the community;
- The planning impacts of its function on the local infrastructure.

To prepare a functional program, consultant's shall identify, research, and observe the Users of the proposed building (facility) and their work activities, including:

- Research and information gathering through information sessions with employees, focus group sessions etc.
- Function-by-function, room-by-room, or branch by branch activity plans;
- Staffing plans (current/future);
- Office standards; open vs. Closed
- Special purpose space;
- Support space
- Storage requirements.
- The volume of activity planned for specific facility components, such as:
  - ❖ Throughput (amount of material put through experimentation, analysis);
  - ❖ Flow patterns (proximity /circulation).

The consultant shall then develop approximate floor areas and technical requirements for the proposed facility, including:

- Details of the space, facility, or of the workstation;
- Special facility equipment or furniture configurations;
- Environmental criteria
- Must be based on the Government of Canada Workplace 2.0 Fit-up Standards

The Consultant shall also advise the client on alternatives, such as the architectural and financial implications of various building options. Functional programs for buildings (facilities) are future oriented - alternative scenarios may be based on high-, medium-, and low-growth projections, or on fast, medium or slow roll-outs of anticipated events. The consultant shall assist the client in assessing the advantages or benefits - and the disadvantages or costs - of each alternative.

### **1.5.3 Deliverables:**

- Depending on the size/scope of work, the consultant shall submit record documentation at the 33%, 66% and final stages of delivery as required.
- The final Functional Program is a report which may include (but not limited to):
- The client's philosophy, values, goals, and desired "image";
- Site requirements, such as parking, circulation orientation.
- Explicit space requirements for the future building (facility), including:
  - ❖ Definition of the activities which will take place in each space in the building;
  - ❖ The functional relationships of the spaces;
  - ❖ "Bubble" diagrams and flow diagrams;
  - ❖ The size of each of the spaces;
  - ❖ Sketch (schematic) design options;
  - ❖ Special technical requirements of each of the spaces and the building systems;
- Financial requirements and a preliminary "Order of Magnitude" budget;
- Scheduling and time frame for the project;
- Other requirements including:
  - ❖ Regulatory issues such as zoning and building code requirements;
  - ❖ Other requirements from Authorities having Jurisdiction;
  - ❖ Community goals and concerns;
  - ❖ Ecological and environmental concerns expressed using a Canadian recognized sustainability design and assessment tool;
- A recommended construction delivery method (traditional design-bid-build, design-build, construction management, public-private partnership)

## **RS 1.6 Master Planning**

### **1.6.1 Intent**

Master plans define long-term development strategies for specific sites, campuses, or communities, including considerations related to current and future infrastructure, site development, site circulation, and spatial relationships. A master plan establishes the process for the program's staged implementation over time.

## **RS 1.7 Financial Planning**

### **1.7.1 Intent**

Data and information about the proposed building at this stage are general in nature; therefore, cost planning will likewise be very general. The programmer must be familiar with the cost information available for early financial planning.

Financial plans are typically presented as a “pro forma” which may include:

- Hard development costs (construction and land costs);
- Soft development costs (such as professional fees, realtor fees);
- Financial costs;
- Market revenue analysis;
- Rates of return on investment.

## **RS 1.8 Implementation Strategy and Schedule**

### **1.8.1 Intent**

The purpose of this stage is to detail an implementation strategy to meet the project goals and objectives.

### **1.8.2 General**

#### **Scope and Activities**

The consultant shall provide a detailed implementation strategy and schedule including (but not limited to):

- Prepare a detailed implementation strategy that documents, in a report, all activities, milestones and deliverables required for the effective delivery of the project including time frames for submissions, reviews and approvals.
- Prepare a project schedule that identifies, in a graphic format such as Critical Path Method (CPM) or Program Evaluation Review Technique (PERT), all activities, milestones including critical deadlines, long lead delivery items and drop dead dates, required for the effective delivery of the project deliverables, including time frames for submissions, reviews and approvals.
- The Implementation Strategy and Schedule described above shall include, but not be limited to the following:
  - ❖ Space acquisition strategy, building master plan;
  - ❖ Decommissioning and environmental clean-up strategy;
  - ❖ Move sequencing;
  - ❖ Swing space requirements;
  - ❖ Procurement of facility equipment and furniture strategy; and
  - ❖ Construction strategy.
- Advise the Project Manager of any changes to the scope that may affect schedule or are inconsistent with instructions or written approvals previously given. The consultant shall detail the extent and reasons for the changes and obtain written approval before proceeding.
- Submit the Implementation Strategy and Schedule for review. Revise as required. Resubmit for final approval. The original approved schedule will become the “Baseline” schedule to monitor project progress.

- Throughout the project, monitor critical path and deadlines for submissions, revisions and approvals. Submit weekly Progress Reports identifying completed deliverables, slippage and upcoming activities.

### **1.8.3 Deliverables**

- Implementation strategy
- Time Plan (Schedule)

## **RS 1.9 Detailed Investigation Reports**

### **1.9.1 Intent**

The purpose of this stage is to provide a more detailed investigation into aspects of findings and recommendations identified at the Building Condition report (BCR) level.

### **1.9.2 General**

#### **Scope and Activities**

The scope of services may include; but are not limited to:

- Structural analysis and testing;
- Detailed building envelope investigation and testing;
- Detailed air-flow analysis and testing;
- Detailed energy, water and air quality analysis and investigation;
- Detailed analysis of building components that are in good condition and that can be reused or re-purposed.

### **1.9.3 Deliverables**

- Submit the findings of the detailed investigations for review, in a report.
- Revise as required.
- Resubmit for final approval.

## **RS 1.10 Sustainability Strategies and Reports**

### **1.10.1 Intent**

The purpose is to research and investigate a wide range of strategies to achieve sustainability including; but, not limited to:

- Recycling and reuse of materials, systems, equipment;
- Procurement of “green” materials , life cycle environmental impact assessment;
- Energy reduction and management;
- Water management
- Waste reduction and management;
- Life-cycle costing, cost benefit analysis;
- Integrated Design process.

### **1.10.2 General**

#### **Scope and Activities**

The consultant shall research and investigate sustainable development strategies in the context of the project and make recommendations

- Prepare a detailed inventory of existing non-contaminated materials, systems, equipment identified for reuse, repurposing or recycling. Include target markets for recycled material and make recommendations. Verify with client department. Revise as required. Obtain approval.
- Investigate and identify potential “green” building materials and products for the project include sourcing (i.e. In order to meet government objectives sole source is necessary). Verify with client department. Revise as required. Obtain approval.
- Investigate and analyze potential to exceeding the Model National Energy Code by 30% to 50%. Make recommendations for an Energy Reduction and Management plan. .
- Investigate and analyze potential to increasing energy efficiency, and strategies to decrease water run-offs
- Develop a non-hazardous and hazardous waste reduction and management plan. Make recommendations, verify with client department. Revise as required. Obtain approval.
- Based on the recommendations included in 1 to 4, perform a cost / benefit and life-cycle costing analysis for the Sustainability Strategy for the project;
- Complete a report outlining the sustainability targets for the project using a Canadian recognized sustainability design assist and assessment tool.

#### **1.10.3 Deliverables**

- Submit the Sustainability Strategy for review, in a report.
- Revise as required.
- Resubmit for final approval.

### **RS 1.11 Hazardous Waste Disposal Strategies and Reports**

#### **1.11.1 Intent**

The purpose of this stage is to identify hazardous waste disposal issues and recommend strategies for mitigation.

#### **1.11.2 General**

##### **Scope and Activities**

The consultant shall research and investigate hazardous waste disposal strategies in the context of the project and make recommendations

- Prepare a detailed inventory of existing contaminated materials, systems, equipment identified for disposal by completing a designated substance report. Verify with client department. Revise as required. Obtain approval.
- Develop a hazardous waste reduction and management plan. Make recommendations, verify with client department. Revise as required. Obtain approval.
- Based on the recommendations included in above 2 bullets, perform a cost / benefit and life-cycle costing analysis for the Hazardous Waste Disposal Strategy for the project.

#### **1.11.3 Deliverables**

- Submit the Hazardous Waste Disposal Strategy for review, in a report.
- Revise as required.
- Resubmit for final approval.

## RS 1.12 Facility Equipment Evaluation & Recommendations Report

### 1.12.1 Intent

The purpose of this stage is to identify and evaluate existing facility equipment and furniture and to make recommendations for their reuse, recycling, refurbishment and/or replacement. Generally, this will be at a high level and only Special Purpose Space should be identified. All other areas i.e. offices, common areas etc. fall under the Government of Canada Workplace 2.0 Fit-up Standards.

### 1.12.2 General

#### Scope and Activities

1. At such time as the Project Manager (PM) determines, prepare a detailed **inventory** of existing furniture and equipment found in workstations/worksettings, support space and special purpose facility space. Include drawings identifying existing location, layout, and user's name or employee number, if applicable. Verify with client department. Revise as required. Obtain approval. Note that the Consultant shall refer to the PWGSC National Project Management System. This type of activity should not be undertaken too early in the process as information is quickly "stale dated".
2. Based on parameters developed in conjunction with the project manager and the client department, prepare a furniture and equipment **evaluation report** that assesses the condition of existing furniture and equipment. Assess the current inventory against the client department's functional requirements. Include an examination of the following: Reusing/refurbishing existing furniture and equipment; and/or Procuring new furniture and equipment; and Current technologies and innovative solutions for the total office facility environment.
3. Prepare a detailed **cost analysis** (Class B) that compares the reuse/refurbishment of existing furniture and equipment, with the purchase of new furniture and equipment. Consideration should be given to cost effectiveness and time frames required for refurbishment of existing furniture and equipment and/or the procurement of new furniture and equipment.

### 1.12.3 Deliverables

- Submit (1)**inventory**, (2)**evaluation report**, & (3)**cost analysis** in a report for review.
- Revise as required.
- Resubmit for final approval.

## RS 1.13 Telecommunications Requirements Reports

### 1.13.1 Intent

The purpose of this stage is to research and investigate the telecommunications requirements of the client for the project, keeping in mind future requirements for e-government and government-on-line.

### 1.13.2 General

#### Scope and Activities

1. Prepare a report that documents the client's telecommunications requirements. Report should include infrastructure and termination requirements.
2. Document the effect of the client department's functional requirements and proposed planning alternatives on their current and future telecommunication requirements.

---

**1.13.3 Deliverables**

- Submit 1.8.2(1) & 1.8.2(2) in a report for review.
- Revise as required.
- Resubmit for final approval.

**RS 1.14 Security Requirements Reports****1.14.1 Intent**

The purpose of this stage is to research and investigate the security requirements of the client for the project.

**1.14.2 General****Scope and Activities**

1. Prepare a report that documents the effect of the client department's functional requirements and proposed planning alternatives on their current and future security requirements. Identify specific security requirements and make appropriate recommendations.
2. Recommend any necessary modifications to the base building and that portion of the building to be occupied by the client department. Assess the impact of these modifications on required space, schedule and budget.

**1.14.3 Deliverables**

- Submit 1.9.2(1) & (2) in a report for review.
- Revise as required.
- Resubmit for final approval.

**RS 1.15 Environmental Clean-up Reports****1.15.1 Intent**

The purpose of this stage is to research and investigate the environmental requirements of the client for the project.

**1.15.2 General****Scope and Activities**

1. Prepare a report that documents the effect of the client department's functional requirements and proposed planning alternatives on their current and future requirements. Identify environmental requirements and make appropriate recommendations.
2. Prepare a Waste Management Plan including all non-contaminated material that is to be reused or recycled whenever possible according to PWGSC, Construction and Demolition Waste Management Protocol.

**1.15.3 Deliverables**

- Submit 1.10.2 (1) & (2) in a report for review.
- Revise as required.
- Resubmit for final approval.

## **RS 1.16 Decommissioning Reports**

### **1.16.1 Intent**

The purpose of this stage is to research and investigate the decommissioning requirements of the client's specialized equipment and systems.

### **1.16.2 General**

#### **Scope and Activities**

1. Prepare a report that documents the effect of the client department's functional requirements and proposed planning alternatives on their current and future requirements. Identify decommissioning requirements and make appropriate recommendations.
2. Prepare a Decommissioning Plan including all stand-alone facility equipment and systems that is to be reused or recycled whenever possible according to the PWGSC and Treasury Board Standards

### **1.16.3 Deliverables**

- Submit 1.11.2(1) & (2) in a report for review.
- Revise as required.
- Resubmit for final approval.

## **RS 1.17 Order of Magnitude “Class D” (Indicative) Cost Reports**

### **1.17.1 Intent**

The purpose of this stage is to provide an indication of the total cost of the project, based on the user's functional requirements to the degree known at the time. It is based on historical cost data for similar work, suitably adjusted for such factors as: effect of inflation, location, risk, quality, size and time. All related factors affecting cost are considered to the extent possible. Such an estimate is strictly an indication (rough order of magnitude) of the project total cost and completion date. This estimate is used to establish the indicative estimate required by Treasury Board for Preliminary Project Approval. Expected degree of accuracy: refer to Appendix D4

### **1.17.2 General**

#### **Scope and Activities**

##### **Cost Planning**

Specific tasks may include, but are not limited to:

- Prepare (life-cycle) cost plans from project briefs, preliminary concepts or other preliminary information;
- Prepare cost analysis;
- Prepare option analysis and “what if” scenarios;
- Provide advice and recommendations on project planning in order to achieve the most cost effective project sequence;



- Identify and quantify potential risks and make contingency recommendations in order to minimize negative cost impacts;
- Advise on alternative procurement and construction strategies to create efficiencies wherever possible; and/or
- Identify, forecast and analyze project-related issues including possible market shortages and potential price fluctuations.

### **Cost Estimating**

Develop cost estimates of projects:

- Prepare order of magnitude “class D” cost estimates;
- Quantify design and construction costs, contingencies and risks;
- Prepare and investigate costing alternatives to assist in the identification of the most cost-effective design and/or construction approach;
- Investigate and report on life-cycle costs; or
- Document all unit pricing, analysis, and valuation.

### **1.17.3 Deliverables**

#### **Cost Planning**

- Cost plans;
- Cost analyses and “what if” scenarios;
- Cash flows; and / or
- Reports on alternative procurement and construction strategies or other project-related issues.

#### **Cost Estimating**

- Fully detailed cost estimate. Order of magnitude “class D” accuracy;
- Documentation of the methodology of the estimate and any assumptions made;
- Documentation of all pricing and valuation calculations;
- Reports on investigation of costing alternatives; and / or
- Reports on life-cycle costs.

## **RS 1 Pre-Design Services (Stage 1B) - Verification (when RS 1 has been prepared by others)**

Based on the Project Brief prepared by the PWGSC Project Manager at the time of call-up, the scope of services will either be based on Section RS 1 “Pre-Design Services (Stage 1A)” or “Pre-Design Services (Stage 1B) - Verification”.

- Analysis of Project Requirements
- Review Pre-Design deliverables (Stage 1A) prepared by others.

### **RS 1.1 Analysis of Project Requirements**

#### **1.1.1 Intent**

The purpose of this stage is to ensure the consultant has reviewed and integrated all the project requirements, identified and evaluated conflicts or problems, provided alternative strategies, presented and received approval on a Project scope, delivery process, schedule and estimate required

to deliver a cohesive quality project. This approved deliverable will become the Project Scope of Services and will be utilized throughout the project to guide the delivery.

### **1.1.2 General**

#### **Scope and Activities**

- Visit the building/site and verify the availability and capacity of services needed for the project
- Attend project start up meeting
- Analyze the project requirements/program
- Review all available existing material related to the project
- Review the proposed project schedule for verification that all milestone dates are achievable
- Review the cost plan/budget for verification that the costs are realistic and achievable
- Identify and verify all authorities having jurisdiction over the project
- Identify the codes, regulations and standards that apply
- Establish a framework for this project to minimize environmental impacts consistent with the project objectives and economic constraints

### **1.1.3 Deliverables**

- Comprehensive summary of the project requirements/program demonstrating understanding of the scope of work including:
- report on existing base building system elements including their condition, deficiencies and life expectancy.
- confirmed or adjusted project cost and time plans
- written identification of the problems, conflicts or other perceived information/clarifying assumptions for the acknowledgment of the project manager

## **RS 1.2 Review of Pre-Design Deliverables - Stage 1A (prepared by others)**

### **1.2.1 Intent**

The purpose of this stage is to ensure the consultant has reviewed and integrated all the pre-design deliverables prepared by others required to deliver a cohesive quality project. This approved deliverable will become the Project Scope of Services and will be utilized throughout the project to guide the delivery.

### **1.2.2 General**

#### **Scope and Activities**

Ensure Pre-Design (Stage 1A) prepared by others include the following deliverables, and that those are still current, up-to-date and are approved:

1. Analysis of Project Requirements;
2. Feasibility Studies / Options Analysis;
3. Site Analysis and Selection;
4. Building Surveys, Audits, and Measured Drawings;
5. Functional Requirements;
6. Master Planning;

7. Financial Planning;
8. Implementation Strategy and Schedule;
9. Detailed Investigation Reports;
10. Sustainable Development Strategies and Report;
11. Hazardous Waste Disposal Strategies and Report;
12. Facility Equipment Evaluation and Recommendations Report;
13. Telecommunications Requirements Report;
14. Security Requirements Report;
15. Environmental Clean-up Report;
16. Decommissioning Report; and / or
17. Order of Magnitude Cost Report.

**For a more detailed description of the content requirements of Pre-Design Services, see Section RS 1 "Pre-Design Services (Stage 1A)".**

#### **1.2.3 Deliverables**

- Update the Pre-Design deliverables if required. Submit for review. Revise. Resubmit for final approval.

## RS 2 Schematic Design

### 2.1 Intent

To translate the project requirements into space perimeters in a cost effective and sustainable manner. To explore design options and analyze them with respect to priorities and program objectives previously identified. Out of this process, one option will be recommended to proceed to Design Development.

### 2.2 General

#### Scope and Activities:

- Obtain written approval from Project Manager for development of schematic design options based on the analysis of the Project Brief;
- Provide a minimum of [3] three distinctly different design options exploring all possible technical and environmental strategies which are viable and have potential for development;
- Analyze each solution with regard to the project goals including cost and schedule;
- Write a preliminary project-description report outlining the various components and system options;
- Produce an environmental assessment if required under Canadian Environmental Assessment Act 2012 (CEAA 2012) ; or incorporate the requirements as set out in the Evaluation of Environmental Effects (EEE) letter or report produced by PWGSC;
- Minimize the use of hazardous/toxic materials and products made for endangered or rare species (i.e. tropical hardwoods);
- Recommend one option for further development with all supporting background and technical justifications;
- Register the project with a Canadian recognized sustainability assessment system and produce a report that documents the current status of the sustainability of the project using a Canadian recognized sustainability design assist and assessment tool;
- Produce a class 'C' cost estimate for the various options;
- Produce an implementation schedule, including alternative procurement and construction strategies.

### 2.3 Details

#### 2.3.1 Architectural Documents:

- Site plan showing proposed building outlines, orientation, main accesses and traffic patterns;
- Schematic building plans of alternatives showing relative disposition of main accommodation areas, circulation patterns, numbers of floors, etc.;
- Sketch elevations and sections indicating the basic design approach and aesthetic philosophy;
- Sketch perspectives or massing studies;
- Outside gross building areas and summary of main accommodation areas required and proposed;

- Horizontal and Vertical space relationships.

### **2.3.2 Structural Documents:**

- Proposed or alternative structural systems including foundation methods, explanatory sketches, etc. and a copy of the site report on which the design is based;
- Initial seismic analysis.

### **2.3.3 Mechanical Documents:**

- The schematic design submission shall include a description of specific mechanical requirements and function for each area (room) in the project. Identify any unique or specialized equipment required by the subject facility. Incorporate in the submission a schedule of requirements listing all rooms and identify the mechanical building services to be provided.
- Explain in the concept submission the manner in which the proposed mechanical systems correlate with user requirements.
- Identify the volume of outdoor air to be supplied per person.
- Identify the delivery rate of supply air to occupied spaces.
- Identify whether full time operating staff will be needed for operating any of the mechanical equipment. Differentiate between staff that is needed by code requirements versus that staff which is needed because of the nature and size of the facility.
- Identify location of entry point into the building of all mechanical services into the building.
- Identify in square meters the area to be provided for mechanical rooms, and then identify what percentage of total building area this represents. Identify location of mechanical spaces in the building.
- Analysis of alternative mechanical schemes at the schematic design stage shall reveal energy consumption of building systems, operating and maintenance costs on a month by month basis for a time span of one year. Accordingly the estimated energy, operating and maintenance costs shall be used in life cycle cost analyses in order to determine the most beneficial mechanical systems alternative. Life cycle cost analyses shall be based on a projected building life of 25 years.
- Carry out energy analysis on system alternatives.
- Establish an energy budget for the building and compare it to energy consumption of other similar buildings. Total energy consumed in the building shall be expressed in kWh/m<sup>2</sup>.
- Submit a complete energy analysis using a Canadian recognized energy analysis tool.
- Identify the type of boilers to be used (i.e. cast iron sectional, fire tube, etc.) and provide an economic and technical explanation of the reason for the type of boiler to be used.
- List of non-Canadian products and materials proposed for the project with written justification

### **2.3.4 Electrical Documents:**

- Proposed basic electrical systems of significance to the early design.
- Site plan showing location of service entrances.
- Distribution diagram showing single line diagrams to distribution centres.
- Floor plans complete with locations of major electrical equipment and distribution centres.
- Lighting layouts.
- Power outlets.

- Ceiling distribution systems for lighting, power and telecommunications.
- List of standard PWGSC details to be utilized.
- Telephone rooms, conduits and telecommunication cable systems requirements and layout.
- Provide an electrical design synopsis, describing the electrical work in sufficient detail for assessment and approval by the Department. Include feasibility and economic studies of proposed systems complete with cost figures and loads.
- List of non-Canadian products and materials proposed for the project with written justification.

### **2.3.5 Commissioning:**

- Define Commissioning Requirements
- Identify in square meters the area to be provided to maintenance personnel, including storage and workshops for mechanical, electrical and housekeeping.
- Define project verification archives (data storage and retrieval system).

### **2.3.6 Sustainable Development:**

- Design and evaluate Schematic Design Options exploring positive environment strategies.
- Produce a report that documents the current status of the sustainability of the project using a Canadian recognized sustainability design assist and assessment tool.
- Produce an environmental assessment, if required under and Canadian Environmental Assessment Act 2012 (CEAA 2012) Screening Report; or incorporate the requirements as set out in the Evaluation of Environmental Effects (EEE) letter or report produced by PWGSC.

### **2.3.7 Specifications**

Preliminary outline specification in Unifomat indicating main building components and options for use of “Green” components and systems.

### **2.3.8 Cost Plan**

- Prepare preliminary cost plan from the schematic design;
- Prepare preliminary cost analysis;
- Prepare options analysis and “what if” scenarios;
- Provide advice and recommendations on project planning in order to achieve the most cost effective project sequence;
- Identify and quantify potential risks and make contingency recommendations in order to minimize negative cost impacts;
- Advise on alternative procurement and construction strategies to create efficiencies wherever possible; and/or
- Identify, forecast and analyze project-related issues including possible market shortages and potential price fluctuations.

### **2.3.9 Cost Estimate**

- Prepare “class C” cost estimates;
- Quantify design and construction costs, contingencies and risks;
- Prepare and investigate costing alternatives to assist in the identification of the most cost-effective design and/or construction approach;

- Investigate and report on life-cycle costs; and / or
- Document all unit pricing, analysis, and valuation.

### 2.3.10 Time Plan (Schedule)

- Prepare project master schedule;
- Identify potential risks to schedule;
- Advise on alternative procurement and construction strategies to create efficiencies wherever possible.

## 2.4 Deliverables

### Provide the following:

- Schematic Design Drawings;
- Description of the options with recommendation of preferred solution;
- Waste management report;
- Audit plan and Phase II Waste Division Action Plan;
- Project specification amendment;
- Environmental Design Modification Report;
- Indoor Air Quality Report;
- Environmental Assessment Report and recommendations of decisions for the CEAA;
- Cost Plan, including cost analysis, “what if” scenarios, potential risks, alternative procurement and construction strategies;
- Class ‘C’ Cost Estimate, including methodology of the estimate, assumptions made, costing alternatives and life cycle costs;
- Report on deviation from schedule and recommend corrective measures or updated time line.

## RS 3 DESIGN DEVELOPMENT

### 3.1 Intent

To further develop one of the options presented at the Schematic Design stage. The Design Development documents consist of drawings and other documents to describe the size and character of the entire project as to architectural, structural, mechanical and electrical systems, materials and such other elements as may be appropriate.

### 3.2 General

#### Scope and Activities:

- Obtain written approval from Project Manager for development of one of the proposed Schematic Design options;
- If any alterations are demanded, document all required changes, analyze the impact on all project components, and resubmit for approval if required;
- Expand and clarify the Schematic Design intent for each design discipline;
- Present the design materials to the client, design review or other committees as indicated by the project manager;
- Present the design to the government or local authorities where required;

- Ensure coordination of all disciplines' design development;
- Analyze the constructability of the project and advise on the construction process and duration;
- Based on all material available at the time, prepare a milestone schedule for the consideration with special attention to the impact on tenants;
- Continue to review all applicable statutes, regulations, codes and by-laws in relation to the design of the project;
- Provide a list of all NMS sections to be used, complete with a full draft specification, catalogue cuts and sustainable development/green choices.

### 3.3 Details

#### Scope and Activities:

##### 3.3.1 Architectural Documents:

- Floor Plans of each floor showing all accommodation required with room names and calculated areas, including all necessary circulation areas, stairs, elevators, etc., and ancillary spaces anticipated for service use. Indicate building grids, modules, etc., and key dimensions;
- Furniture and Equipment plans;
- Cross Sections through the building(s) to show floor levels, room heights, inner corridor or court elevations, etc.;
- Detail Sections of walls, building envelope design features or other special design features requiring illustration and explanation at this stage, including fireproofing methods.
- Demolition plans, partition plans, reflected ceiling plans, finish schedules, door/window schedules etc.

##### 3.3.2 Structural Documents:

- Drawings indicating the proposed structural framing system, structural materials, and other significant or unusual details proposed. Drawings may be separated or incorporated on the Architectural sheets. Include a copy of the site report on which the design is based;
- Update seismic report.

##### 3.3.3 Mechanical Documents:

- Site Plan showing service entrances for water supply, sanitary and storm drains and connections to public utility services, including all key invert elevations;
- Drawings showing preliminary sizing of ventilation, cooling and heating systems showing locations, and all major equipment layouts in mechanical rooms;
- Drawings of plumbing system, showing routing and sizing of major lines and location of pumping and other equipment where required ;
- Drawings of the fire protection systems showing major components;
- Produce preliminary designs based on the approved schematic design. Update the energy analysis and energy budget established at the schematic design stage;
- Update the schedule of requirements;
- Provide information of all internal and external energy loads in sufficient detail to determine the compatibility of the proposal with existing services, approved concept and energy budget;



- Analysis of selected equipment and plant with schematics and calculations sufficient to justify the economy of the selected systems;
- Describe the mechanical systems and the components of each system. Describe the perceived operation of the mechanical systems;
- Explain what operating staff will be needed to operate the building systems and the expected functions of the operation staff;
- Describe the building systems control architecture. Provide preliminary EMCS network architecture, mechanical control schematics, and sequence of operation;
- Explain what acoustical and sound control measures are to be included in the design.

### 3.3.4 Electrical Documents:

- Provide drawings showing advanced development of the following:
  - ❖ Single line diagram of the power circuits with their metering and protection, including:
    - i) Complete rating of equipment.
    - ii) Ratios and connections of CT's and PT's.
    - iii) Description of relays when used.
    - iv) Maximum short circuit levels on which design is based.
    - v) Identification and size of services.
    - vi) Connected load and estimated maximum demand on each load centre.
  - ❖ Electrical plans with:
    - i) Floor elevations and room identification.
    - ii) Legend of all symbols used.
    - iii) Circuit numbers at outlets and control switching identified.
    - iv) All conduit and wire sizes except for minimum sizes which should be given in the specification.
    - v) A panel schedule with loadings for each panel.
    - vi) Telephone conduits system layout for ceiling/floor distribution.
  - ❖ Riser diagrams for lighting, power, telephone and telecommunication cable systems, fire alarm and other systems.
  - ❖ Elementary control diagrams for each system.
  - ❖ Schedule for motor and controls.
  - ❖ Complete lighting layout and fixture schedule clearly indicating methods of circuiting, switching and fixture mounting.
  - ❖ Electric heating layout and schedule.
- Provide the following data:
  - ❖ Total connected load.
  - ❖ Maximum demand and diversity factors.
  - ❖ Sizing of standby load.
  - ❖ Short-circuit requirements and calculations showing the ratings of equipment used.

### 3.3.5 Commissioning

- Define operational requirements.

- Define Commissioning Requirements.
- Prepare a commissioning Brief describing major commissioning activities for mechanical, electrical and integrated system testing.
- Define and establish project specific archives

### **3.3.6 Sustainable Development:**

- Develop Design and evaluate options exploring positive environment strategies;
- Produce a report that documents the current status of the sustainability of the project using a Canadian recognized sustainability design assist and assessment tool.
- Produce an environmental assessment, if required under and Canadian Environmental Assessment Act 2012 (CEAA 2012) Screening Report; or incorporate the requirements as set out in the Evaluation of Environmental Effects (EEE) letter or report produced by PWGSC.

### **3.3.7 Specifications**

- Provide a list and draft specification sections of all NMS sections to be used;
- Submit outline specifications for all systems and principle components and equipment;
- Provide in the outline specifications manufacturers literature about principal equipment and system components proposed for use in this project;
- Highlight proposed "Green" materials, components and systems.

### **3.3.8 Cost Plan**

- Update cost plan;
- Highlight changes from preliminary cost plan;
- Include cash flow analysis.

### **3.3.9 Cost Estimate**

- Provide class "B" (substantive) cost estimate;
- Highlight changes from class "C" (indicative) cost estimate.

### **3.3.10 Time Plan (Schedule)**

- Update time plan (Schedule);
- Highlight changes to the time plan.

## **3.4 Deliverables**

- Floor plans including all disciplines showing all floor elements and services to detail necessary to make all design decisions and to substantially estimate the cost of the project;
- Building sections;
- Demolition Plans;
- Architectural, structural, engineering, millwork and finishing details to determine choice of materials and finishes;
- Reflected ceiling plans;
- Elevations;
- Site and building models as required;
- Finished and colour schemes;

- Outline specifications for all systems and principle components or equipment;
- Updated cost plan and cash flow;
- Class 'B' cost estimate;
- Preliminary construction schedule including long term delivery items;
- Fire Protection Engineers Report including requirements, strategies or interventions for protection of the building and it's occupants;
- Project dossier detailing the basic assumptions of the project and the justifications for all major decisions;
- Commissioning Plan;
- Updated sustainable development strategy report.

## RS 4 CONSTRUCTION DOCUMENTS

### 4.1 Intent

To prepare bilingual coordinated A&E drawings and specifications setting forth in detail the requirements for the construction and final cost estimate of the project.

- 33% indicates technical completeness of all working documents;
- 66% indicates substantial technical development of the project - well advanced architectural and engineering plans, details, schedules and specifications;
- 99% is the submission of complete Construction Documents ready for tender call and submission to local authorities for pre-permit purposes;
- 
- Final Submission incorporates all revisions required in the 99% version and is intended to provide PWGSC with complete construction documents for tender call.

### 4.2 General

**Activities are similar at all three stages; completeness of the project development should reflect the stage of a submission.**

#### Scope and Activities:

- Obtain Project Manager's approval for Design Development submissions (33%, 66%, 99% and final);
- Confirm format of drawings and specifications;
- Clarify special procedures (i.e. phased construction);
- Submit drawings and specifications at the required stages. (33%, 66%, 99%);
- Provide written response to all review comments and incorporate them into Construction Documents where required;
- Advise as to the progress of cost estimates and submit updated cost estimates as the project develops;
- Update the project time plan (schedule);
- Prepare a final Class 'A' (substantive) estimate. Review and approve materials and construction processes specifications to meet sustainable development objectives.

### 4.3 Details

#### **4.3.1 Technical and Production Meetings**

- Production of construction documents at the 33%, 66%, and 99% submissions will be reviewed during the meetings arranged by Project Manager and Consultant;
- Representatives from Client Department(s) and PWGSC support staff will be present as arranged by the Project Manager;
- Consultant shall ensure that his staff and the sub-consultant representatives attend the technical and production meetings as required;
- Consultant shall ensure all documents are coordinated with all sub-consultants and disciplines;
- Consultant shall arrange for all necessary data, progress prints, etc.;
- Consultant shall prepare minutes of the meetings and distribute copies to all participants.

#### **4.3.2 Progress Review**

- As work progresses on construction drawings, submit drawings, schedules, details, pertinent design data and updated Cost Plan and Project Schedule as required.
- Calculations submitted shall not necessarily be reviewed. They are required for record purposes and in certain instances to assist in the understanding and interpretation of designs. Calculations shall be submitted in a format that is legible, neat and easily understandable.
- Specifications and an index of specifications. The specifications shall consist of typed and edited PWGSC amended NMS sections, PWGSC in-house master specs sections and NMS sections.

### **4.4 Deliverables**

- Deliverables are similar at all three stages;
- completeness of the project development should reflect the stage of a submission.

#### **4.4.1 99% Submission:**

- Complete specification and working drawings.
- 99% Commissioning plan and Systems Operations manual
- One copy of the complete colour schedules, including textures, sheens, super-graphics, colour chips and material samples.
- One copy of site information, soil investigating report, borehole logs, etc.
- One copy of support data, studies, calculations, etc., required by PWGSC Engineering disciplines for final checking and record.
- One copy of updated Cost Plan and Project Schedule.
- One copy of the completed sustainability assessment of the project using a Canadian recognized sustainability design assist and assessment tool.

#### **4.4.2 Final Submission:**

- This submission incorporates all revisions required by the review of the 99% submission. Provide the following:
  - ❖ Complete set of originals of the working drawings.
  - ❖ Complete sets of original specifications.
  - ❖ Class 'A' estimate

- ❖ Complete Commissioning Plan
- ❖ Complete Systems Operations manual
- ❖ Complete set of original colour Schedule.
- ❖ One set of Designated Substances Report (DSR) (provided by PWGSC).
- As a safeguard against loss or damage to the originals, retain a complete set of drawings in reproducible form and one copy of specification.
- Inspection Authorities Submission (i.e. Municipal Building Departments)
- Submit and obtain approval on plans and specifications required by Inspection Authorities before tender call (i.e. Consultant is to apply for and obtain Building Permit(s)).
- One copy of the completed sustainability assessment of the project using a Canadian recognized sustainability design assist and assessment tool.
- Refer to Appendix D

## **RS 5 TENDER CALL, BID EVALUATION & CONSTRUCTION CONTRACT AWARD**

### **5.1 Intent**

To obtain and evaluate bids from qualified contractors to construct the project as per the Tender Documents. To award the construction contract according to government regulations.

### **5.2 General**

#### **Scope and Activities:**

- Attend tenderers briefing meeting(s) (i.e. Job Showing);
- Prepare addenda based on questions arising in such meetings for issue by the Contracting Authority;
- Provide the Project Manager with all information required by tenderers to fully interpret the Construction Documents. PWGSC will issue the addenda to all participants.
- Keep full notes of all inquiries during the bidding period and submit same to Project Manager at the end, for PWGSC records.
- Assist in tender evaluation by providing advice on the following:
  - ❖ The completeness of tender documents in all respects.
  - ❖ The technical aspects of the tenders.
  - ❖ The effect of alternatives and qualifications which may have been included in the tender.
  - ❖ The tenderers capability to undertake the full scope of work.
  - ❖ The availability of adequate equipment to carry out the work.
- If PWGSC decides to re-tender the project, provide advice and assistance to the Project Manager
- Revise and amend the construction documents to bring the cost of the work within the limits stipulated.
- Maintain necessary documentation to permit the evaluation of the project using the Canadian recognized sustainability design assist and assessment tool.
- Examine and report on any cost and schedule impact created by the issue of tender / contract addenda

### **5.3 Deliverables**

- Originals of drawings and specifications;
- Electronic copies of drawings and specifications;
- Addenda where needed;
- Changes to the documents, if re-tendering is necessary;
- Updated cost estimate and/or schedule.

## **RS 6 CONSTRUCTION & CONTRACT ADMINISTRATION & POST CONSTRUCTION WARRANTY REVIEW**

### **6.1 Intent**

To implement the project in compliance with the Contract Documents and to direct and monitor all necessary or requested changes to the scope of work during construction.

### **6.2 General**

#### **Scope and Activities:**

- During the implementation of the project, act on PWGSC's behalf to the extent provided in this document;
- Carry out the review of the work at intervals appropriate to determine if the work is in conformity with the Contract Documents;
- Keep PWGSC informed of the progress and quality of the work and report any defects or deficiencies in the work observed during the course of the site review;
- Ensure compliance with Commissioning Plan, update plan as necessary;
- Determine the amounts owing to the Contractor based on the progress of the work and certify payments to the contractor;
- Act as interpreter of the requirements of the Contract Documents;
- Provide cost advice during construction;
- Advise the Project Manager of all potential changes to scope for the duration of the implementation;
- Complete necessary documentation to permit the evaluation of the project using the Canadian recognized sustainability design assist and assessment tool and submit necessary documentation to the sustainability accreditation body where this is part of the call-up.
- Review the Contractor's submittals;
- Prepare and justify change orders for issue by the Departmental Representative;
- Indicate any changes or material/equipment substitutions on Record Drawings;
- During the twelve (12) month warranty period investigate all defects and alleged defects and issue instructions to the Contractor;
- Instruction of Operating Personnel; Operation and Maintenance Manuals;
- Conduct a final warranty review.

### **6.3 Details**

#### **Scope and Activities:**

**6.3.1 Construction Meetings**

- Immediately after contract award arrange a briefing meeting with the Contractor and the Departmental Representative. Prepare minutes of the meeting and distribute copies to all participants and to other persons agreed upon with the Project Manager.
- Call job meetings every 2 weeks, commencing with the construction briefing meeting. The meetings should include the job superintendent, Inspector of Construction, main sub-subcontractors, affected sub-consultants and GOC representatives as necessary. Prepare minutes of the meeting and distribute copies to all participants within 48 hours. The Project Manager may invite client Departments to attend any of these meetings.

**6.3.2 Project Schedule**

- Obtain Project Schedule with detailed commissioning component shown separately, as soon as possible after contract award and ensure proper distribution.
- Monitor the approved construction schedule, take necessary steps to ensure that the schedule is maintained and submit a detailed report to the PM concerning any delays.
- Keep accurate records of causes of delays.
- Make every effort to assist the Contractor to avoid delays.

**6.3.3 Time Extensions**

- Only the Department may approve any request for Time Extensions. Approval will be issued in writing by the Project Manager.

**6.3.4 Cost Breakdown**

- Obtain from the Contractor detail cost breakdown on standard PWGSC form and submit to the Department with the first Progress Claim.

**6.3.5 Labour Requirements**

- The Contractor is bound by the Contract to maintain competent and suitable workmen on the project and to comply with the Canada Department of Labour - Labour Conditions. Inform the Department of any labour situations that appear to require corrective action by the Department.
- The Consultant shall ensure that a copy of the Labour Conditions for the Contract is posted in a conspicuous place on site.

**6.3.6 Bylaw Compliance**

- Ensure that construction complies with applicable bylaws and regulations.
- Matters pertaining to the Department of Labour shall be referred to the Departmental Representative.

**6.3.7 Construction Safety**

- All construction projects that are occupied by federal employees during construction are subject to the Canada Occupational Safety and Health Act and Regulations as administered by Health and Welfare Canada and/or Provincial Regulations -which ever is more restrictive.

- Fire safety provisions during construction must comply with FCC Standards 301 and 302, administered by Fire Protection Engineering Services, Labour Program, Human Resources Development Canada, formerly known as the Fire Commissioner of Canada.
- In addition to the above, the Contractor must comply with the provincial and municipal safety laws and regulations, and with any instructions issued by the officers of these authorities having jurisdiction relating to construction safety.
- Ensure the Contractor is mandated to provide all required coordination, isolation, protection and reinstatement of the fire protection and suppression systems throughout construction. Notify the Property Manager each time the fire protection and suppression systems are bypassed and advise of estimated reinstatement time. Ensure the Contractor is mandated to provide Watchman Service as defined in FC 301 and by the Fire Commissioner.

#### **6.3.8 Site Visits**

- Provide non-resident construction inspection services. Ensure compliance with contract documents.
- Provide services of qualified personnel who are fully knowledgeable with technical and administrative requirements of project.
- Establish a written understanding with contractors as to what stages or aspect of the work are to be inspected prior to being covered up.
- Assess quality of work and identify in writing to the Contractor and to the Department all defects and deficiencies observed at time of such inspections.
- Inspect materials and prefabricated assemblies and components at their source or assembly plant, as necessary for the progress of the project.
- Any directions, clarifications or deficiency list shall be issued in writing to PWGSC.

#### **6.3.9 Clarifications**

- Provide clarifications on Plans and Specifications or site conditions, as required in order that project not be delayed.

#### **6.3.10 Progress Reports**

- Report to the PM regularly on the progress of the work. Submit weekly reports.

#### **6.3.11 Work Measurement**

- If work is based on unit prices, measure and record the quantities for verification of monthly progress claims.
- When Contemplated Change Notice is to be issued based on Unit Prices, keep accurate account of the work. Record dimensions and quantities.

#### **6.3.12 Detail Drawings**

- Provide for the Department's information any additional detail drawings as and when required to properly clarify or interpret the contract documents.

#### **6.3.13 Shop Drawings**

- On completion of project forward three copies of reviewed shop drawings to the Department. Ensure that shop drawings include the project number and are recorded in sequence.



- Verify the number of copies of shop drawings required. Consider additional copies for Client's departmental review.
- Shop drawings shall be stamped: "Checked and Certified Correct for Construction" by the Contractor and stamped: "reviewed" by the Consultant before return to the Contractor.
- Expedite the processing of Shop Drawings.

#### **6.3.14 Inspection and Testing**

- Prior to tender, provide Department with recommended list of tests to be undertaken, including on site and factory testing
- Ensure all testing is detailed within commissioning plan
- When contract is awarded, assist Departmental Representative in briefing testing firm on required services, distribution of reports, communication lines, etc.
- Review all test reports and take necessary action with Contractor when work fails to comply with contract.
- Immediately notify Project Manager when tests fail to meet project requirements and when corrective work will affect schedule.
- Assist Departmental Representative in evaluating testing firm's invoices for services performed.

#### **6.3.15 Construction Changes**

- The Consultant does not have authority to change the work or the price of the Contract. However, the Consultant will prepare Contemplated Changes Notices (CCNs) and Change Orders (COs).
- Changes which affect cost or design concept must be approved by the Department.
- Upon Departmental approval obtain quotations from the Contractor in detail. Review prices and forward promptly recommendations to the Department.
- The Department will issue Consultant-prepared CCNs and COs to the Contractor, with copy to Consultant.
- All changes, including those not affecting the cost of the project, will be covered by Change Orders.
- The practice of "trade offs" is not allowed.

#### **6.3.16 Contractor's Progress Claims**

- Each month the Contractor submits a progress claim for work and materials as required in the Construction Contract.
- The claims are made by completing the following forms where applicable:
  - ❖ Request for Construction Payment
  - ❖ Cost Breakdown for Unit and/or combined Price Contract
  - ❖ Cost Breakdown for Fixed Price Contract
  - ❖ Statutory Declaration Progress Claim
- Review and sign designated forms and promptly forward claims to the Department (Project Manager) for processing.
- Submit with each progress claim:
  - ❖ Updated schedule of the progress of the work.
  - ❖ Photographs of the progress of the work.

**6.3.17 Materials On Site**

- The Contractor may claim for payment of material on site but not incorporated in the work.
- Materials must be stored in a secure place designated by the Department.
- A detailed list of materials with supplier's invoices showing the price of each item must accompany a claim; the Consultant shall check and verify this list (Detail Sheet).
- Items shall be listed separately on the Detail Sheet after the break-down list and total.
- As material is incorporated in the work the cost must be added to the appropriate Detail item and removed from the material list.

**6.3.18 Acceptance Board**

- Inform the Department when satisfied that the project is substantially completed. The Consultant shall ensure that his/her representative, his/her sub-consultant representative, Resident On-Site Reviewer, Contractor and major sub-trades representatives shall form part of the Project Acceptance Board and attend all meetings as organized by the Department.

**6.3.19 Interim Inspection**

- The Acceptance Board shall inspect the work and list all unacceptable and incomplete work on a designated form. The Board shall accept the project from the Contractor subject to the deficiencies and uncompleted work listed and priced.

**6.3.20 Interim Certificates**

- Payment requires completion and signing, by the parties concerned, of the following documents:
  - ❖ Substantial Certificate of Completion
  - ❖ Statutory Declaration Interim Certificate of Completion
  - ❖ Worker's Compensation Board Certificate.
- Verify that all items are correctly stated and ensure that completed documents and any supporting documents are furnished to the Department for processing.

**6.3.21 Building Occupation**

- The Department or Client Department may occupy the building after the date of acceptance of the building by the Acceptance Board. The acceptance date is normally that of the Interim Certificate issued to the Contractor. As of the acceptance date, the Contractor may cancel the Contract Insurance, and the Department or Client Department (as the case may be) assumes responsibility for:
  - ❖ Security of the work(s).
  - ❖ Fuel and utility charges.
  - ❖ Proper operation and use of equipment installed in the project.
  - ❖ General maintenance and cleaning of the work(s).
  - ❖ Maintenance of the site. (Except any landscaping maintenance covered by the contract.)

**6.3.22 Operation and Maintenance Manuals**

- Operation and Maintenance Data Manual: [4] sets of each volume produced by Contractor and verified for completeness, relevance and format by the Architectural, Mechanical and Electrical

Consultants and submitted to PWGSC Project Manager prior to interim acceptance or actual start of operation and instruction period, whichever occurs sooner. The Contractor shall retain one copy of each volume for his record and use during the instruction period.

### **6.3.23 Instruction of Operating Personnel**

- Make arrangements and ensure that Department's operating personnel is properly instructed on the operation of all services and systems using the final manuals as reference.
- Consultant to provide training sessions, as required, on the subject of design intent and systems operations. Utilize Systems operations manual for training sessions.

### **6.3.24 Keys**

- Ensure that all keys and safe combinations are delivered to the Departmental Representative and/or the Client Department as applicable.

### **6.3.25 Final Inspection**

- Inform the Departmental Representative when satisfied that all work under the contract has been completed, including the deficiency items. Inspection and Acceptance as a result of the Interim Inspection. The Department reconvenes the Acceptance Board which makes a final inspection of the project. If everything is satisfactory the Board makes final acceptance of the project from the Contractor.

### **6.3.26 Final Certificate**

- The final payment requires completion and signing, by the parties concerned, of the following documents:
  - ❖ Final Certificate of Completion
  - ❖ Statutory Declaration
  - ❖ Workmen's Compensation Clearance Certificate
  - ❖ Hydro Certificate
- Verify that all items are correctly stated and ensure that completed documents and any supporting documents are furnished to the Department for processing.

### **6.3.27 Take-over**

- The official take-over of the project, or parts of the project, from the Contractor is established by the PWGSC Project Team which includes the Consultant and the Client Department. The date of Interim Certificate of Completion and the Final Certificate of Completion signifies commencement of the 12 month warranty period for work completed on the date of each certificate in accordance with the General Conditions of the Contract.
- Provide Department with original copy of Contractor's warranties for all materials and work covered by an extended warranty or guarantee, according to the conditions of the specifications. Verify their completeness and extent of coverage.

### **6.3.28 As-Built and Record Drawings and Specifications**

- Following the take-over, obtain As-Built drawings from the Contractor.
- Produce Record Drawings - these will include:

- ❖ transference of information from the contractor's as-built drawings
- ❖ incorporation of known site variants not shown on as-built drawings
- ❖ incorporation of addenda into the originals
- ❖ incorporation of change orders into the originals
- Submit As-Built drawings..
- Submit Record Drawings in number and format required by the Consultant Agreement within [8] weeks of final acceptance.
- Provide a complete set of final shop drawings.

#### 6.4 Deliverables

- Written reports from site visits including persons involved
- Written reports on the progress of the work and the cost of the project at the end of each month
- Additional detail drawings when required to clarify, interpret or supplement the Construction Documents;
- Complete necessary documentation to permit the evaluation of the project using the Canadian recognized sustainability design assist and assessment tool and submit necessary documentation to the sustainability accreditation body where this is part of the call-up.
- As-Built and Record Drawings
- Interim or/and Final certificates
- Commissioning Plan
- Reviewed and Accepted Commissioning (Evaluation) Report
- Warranty deficiency list
- Report on Final Warranty Review

## RS 7 RISK MANAGEMENT (ALL STAGES)

### 7.1 Intent

The consultant is to provide support to the Project Manager in identifying risks throughout the project life cycle.

### 7.2 General

#### Scope and Activities

##### Risk Management Process:

- Identify risk events based on past experience and using proposed checklist or other available lists;
- Qualify/quantify probability of risk event (Low, Medium, High) and their impact (Low, Medium, High);
- Prioritize risk events (i.e. concentrate efforts on risk events with High probability and Medium to High impact);
- Develop risk response (i.e. evaluate alternatives for mitigation. This is the real added-value of risk management); and,

- Implement risk mitigation.

### 7.3 Deliverables

- Prepare Risk Management Reports at Design Development, 66% Design Documents, and 100% Design Documents stages.
- Include input from all sub-consultants, and from Client.
- Take steps to implement risk mitigation as required. This may include (but is not limited to) further recommendations, analysis, investigations, site meetings, site supervision, etc.

Solicitation No. - N° de l'invitation

EP168-130975/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

fe102

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

20130975

File No. - N° du dossier

fe102EP168-130975

CCC No./N° CCC - FMS No/ N° VME

---

## **SUBMISSION REQUIREMENTS AND EVALUATION (SRE)**

- SRE 1 General Information
- SRE 2 Proposal Requirements
- SRE 3 Submission Requirements and Evaluation
- SRE 4 Price of Services
- SRE 5 Total Score
- SRE 6 Submission Requirements - Checklist

## SUBMISSION REQUIREMENTS AND EVALUATION

### SRE 1 GENERAL INFORMATION

#### 1.1 Reference to the Selection Procedure

An 'overview of the selection procedure' can be found in General Instructions to Proponents (GI 9).

#### 1.2 Submission of Proposals

The Proponent is responsible for meeting all submission requirements. Please follow detailed instructions in "Submission of Proposals", General Instructions to Proponents (GI 10)

#### 1.3 Calculation of Total Score

For this Standing Offer the Total Score will be established as follows:

Technical Rating x 90%	=	Technical Score (Points)
Price Rating x 10%	=	Price Score (Points)
Total Score		Max. 100 Points

### SRE 2 PROPOSAL REQUIREMENTS

#### 2.1 Requirement for Proposal Format

The following proposal format information should be implemented when preparing the proposal.

1. Submit one (1) bound original plus five (5) bound copies of the proposal
  2. Paper size should be - 216mm x 279mm (8.5" x 11")
  3. Minimum font size - 11 point Times or equal
  4. Minimum margins - 12 mm left, right, top, and bottom
  5. Double-sided submissions are preferred
  6. One (1) 'page' means one side of a 216mm x 279mm (8.5" x 11") sheet of paper
  7. 279mm x 432 mm (11" x 17") fold-out sheets for spreadsheets, organization charts etc. will be counted as two pages.
  8. The order of the proposals should follow the order of the Request for Standing Offer SRE 3 section.

#### 2.2 Specific Requirements for Proposal Format

The maximum number of pages (including text and graphics) to be submitted for the Rated Requirements under SRE 3.2 is forty-six (46) pages.

The following are not part of the page limitation mentioned above;

Covering letter

Declaration/Certifications Form (Appendix A)

Code of Conduct Certifications

Consultant Team Identification Format (Appendix C)

Letters of Reference as indicated in SRE 3.2.3 and SR 3.2.4 to be provided separately and to be restricted to eighteen (18) pages in total

- Front page of the Request for Standing Offer document
- Front page of revision(s) to the Request for Standing Offer document
- Price Proposal Form (Appendix B)

***Consequence of non-compliance: any pages which extend beyond the above page limitation and any other attachments will be extracted from the proposal and will not be forwarded to the PWGSC Evaluation Board members for evaluation.***

## **SRE 3 SUBMISSION REQUIREMENTS AND EVALUATION**

### **3.1 MANDATORY REQUIREMENTS**

Failure to meet the mandatory requirements will render the proposal as non-responsive and no further evaluation will be carried out.

#### **3.1.1 Declaration/Certifications Form**

Proponents must complete, sign and submit the following:

1. Appendix A, Declaration / Certifications Form as required.

#### **3.1.2 Licensing, Certification or Authorization**

The Proponent shall be authorized to provide architectural and multidisciplinary engineering services licensed, or eligible to be licensed, certified or otherwise authorized to provide the necessary professional services to the full extent that may be required by provincial or territorial law in the province of Ontario and/or Québec. If the Proponent is licensed to practise in only one of the two provinces then that Proponent must be eligible and willing to be licensed in the province in which they are not licensed.

You must indicate current license or how you intend to meet the provincial licensing requirements.

#### **3.1.3 Code of Conduct and Certifications - Proposal**

Proponents who are incorporated, including those submitting proposals as a joint venture, must provide with their proposal or promptly thereafter a complete list of names of all individuals who are currently directors of the Proponent. Proponents submitting proposals as sole proprietorship, including those submitting proposals as a joint venture, must provide the name of the owner with their proposal or promptly thereafter. Proponents submitting proposals as societies, firms, partnerships or associations of persons do not need to provide lists of names. If the required names have not been received by the time the evaluation of proposals is completed, Canada will inform the Proponent of a time frame within which to provide the information. Failure to comply will render the proposal non-responsive. Providing the required names is a mandatory requirement for issuance of a standing offer and award of a contract.

#### **3.1.4 Consultant Team Identification**

The proponent, key sub-consultants and specialist are to be identified.

Proponent (prime consultant)	- Architect
Key Sub-Consultants/Specialists	- Mechanical Engineer
	- Electrical Engineer
	- Structural Engineer
	- Cost Specialist

Information required: name of firm, key personnel to be assigned to this Standing Offer. For the prime consultant and sub-consultants in indicate current license and/or how you intend to meet the provincial



licensing requirements. In the case of a joint venture identify the existing of proposed legal form of the joint venture (refer to GI - Limitations of Submissions). An example of an acceptable format (typical) for submission of the team identification is provided in Appendix C.

### 3.2 RATED REQUIREMENTS

Proposals meeting the mandatory requirements will be evaluated in accordance with the following criteria. The clarity of the proposal writing will form part of the evaluation (use of language, document structure, conciseness and completeness of the response):

#### 3.2.1 Comprehension of the Scope of Services

1. *What we are looking for:*  
A demonstration of the understanding of the overall requirements for services, including specific deliverables, expected approaches, technical expectations, and coordination requirements, especially in delivering government projects.
2. *What the Proponent should provide:*
  - (a) scope of services - detailed list of services;
  - (b) summary of your proposed typical work breakdown structure, i.e. resources assigned, time schedule, level of effort;
  - (c) broader goals (federal image, sustainable development, sensitivities);
  - (d) risk management strategy;
  - (e) project management approach to working with PWGSC (understanding of PWGSC management structure, Client environment, standing offer process, working with the government in general);

#### 3.2.2 Team Approach / Management of Services

1. *What we are looking for:*  
How the team will be organized in its approach and methodology in the delivery of the Required Services.
2. *What the Proponent should provide:*  
A description of:
  - (a) Roles and responsibilities of key personnel;
  - (b) Assignment of the resources and availability of back-up personnel;
  - (c) Management and organization (reporting structure);
  - (d) Description of the firm's approach to responding to the individual call-ups which will arise as a result of this standing offer;
  - (e) Quality control techniques;
  - (f) Demonstration of how the team intends to meet the 'Project Response Time Requirements' ;
  - (g) Conflict resolution.
  - (h)
  - (i)
  - (j)

### 3.2.3 Past Experience

1. *What we are looking for:*  
Demonstration that over at least the past five (5) years, the Proponent has participated in a range of projects requiring a full scope of services in accordance with the Required Services (RS) section. The Proponent's participation in these projects should have involved the scope of services listed in the Required Services (RS) section.
2. *What the Proponent should provide:*
  - (a) A brief description of three (3) significant government or institutional projects completed over the last five (5) years by the Proponent. At least one project should be a study/report/analysis type of project. At least one project should be design of an office building or a multiple occupancy building including office occupancy.
  - (b) For the above projects, include the names of senior personnel and project personnel who were involved as part of the project team and their respective responsibilities,
  - (c) Total usable square meters;
  - (d) Construction estimate and final costs and justifications;
  - (e) Design challenges and creative and innovative solutions, especially those which demonstrate a holistic approach to design;
  - (f) Sustainable design experience;
  - (g) Photographs or graphic illustrations;
  - (h) Techniques used to ensure an effective consultative process;
  - (i) Indicate the dates the services were provided for the listed projects;
  - (j) Scope of services rendered, project objectives, constraints and deliverables; and
  - (k) Client references - name, address, phone and fax of client contact at working level. Reference checks may be completed if deemed necessary;
  - (l) An indication (letter or other) of client satisfaction.
3. The Proponent (as defined in General Instructions GI 20) must possess the knowledge on the above projects. Past project experience from entities other than the Proponent will not be considered in the evaluation unless these entities form part of a joint venture Proponent.
4. Please indicate those projects which were carried out in joint venture and the responsibilities of each of the involved entities in each project.

### 3.2.4 Past Experience - Sub-Consultants/Specialists (Mechanical Engineering, Electrical Engineering, a Structural Engineering and a Cost Specialist)

1. *What we are looking for:*  
Sub-consultants and specialists must demonstrate that at least over the past 5 years it has participated in a range of projects including: studies/reports/analysis and multidisciplinary design and construction projects requiring a full scope of services in accordance with the Required Services (RS) section. The presented projects should be comparable in terms of the dollar value of the maximum call-up limit of this particular standing offer. Projects involving special characteristics or design challenges should be noted.

2. *What the proponent should provide:*

A description of:

- (a) A brief description of three (3) significant government or institutional projects completed over the last five (5) years by the Proponent; At least one project should be a study/report/analysis type of project. At least one project should be design of an office building or a multiple occupancy building including office occupancy;
- (b) For the above projects, include the names of senior personnel and project personnel who were involved as part of the project team and their respective responsibilities;
- (c) Indicate the completion date for the listed projects;
- (d) Total usable square meters;
- (e) Construction and procurement final costs;
- (f) Scope of services rendered, project objectives, constraints and deliverables;
- (g) Design challenges and creative and innovative design solutions, especially those which demonstrate a holistic approach to workplace contemporary design;
- (h) Sustainable design experience;
- (i) Photographs or graphic illustrations;
- (j) Techniques used to ensure an effective consultative process;
- (k) Client references - name, address, phone and fax of client contact at working level  
Reference checks may be completed if deemed necessary; and
- (l) An indication (letter or other) of client satisfaction.

- 3. The Proponent (as defined in General Instructions GI 20) must possess the knowledge on the above projects. Past project experience from entities other than the Proponent will not be considered in the evaluation unless these entities form part of a joint venture Proponent.
- 4. Please indicate those projects which were carried out in joint venture and the responsibilities of each of the involved entities in each project.

### 3.2.5 Senior Personnel Expertise and Experience

- 1. *What we are looking for:*  
A demonstration that the Proponent has senior personnel in-house with the capability, capacity and expertise in each area listed in the Required Services (RS) section.
- 2. *What the Proponent should provide: (approximately two (2) pages **per** senior personnel)*
  - (a) submit a maximum of two (2) c.v.'s of senior personnel. Each curriculum vitae should clearly indicate the years of experience the senior personnel has in the provision of the services specified in the Required Services (RS) section; and
  - (b) Identify the personnel's years of experience, the number of years with the firm; and
  - (c) professional accreditation; and
  - (d) accomplishments/achievements/awards.
- 3. In-house personnel means personnel within the Proponent's organization (see definition of Proponent in General Instructions GI 20). Past expertise and experience of personnel

not within the Proponent's (or joint venture Proponent's) organization will not be considered in the evaluation.

### 3.2.6 Project Personnel Expertise and Experience

1. *What we are looking for:*  
A demonstration that the Proponent has project personnel in-house with the capability, capacity and expertise to provide the required services and deliverables listed in the Required Services (RS) section.
2. *What the Proponent should provide:*
  - (a) submit a maximum of two (2) c.v.'s of project personnel which will perform the majority of the work resulting from the individual Call-ups. Each curriculum vitae should clearly indicate the years of experience the project personnel has in the provision of the services specified in the Required Services (RS) section;
  - (b) Identify the personnel's years of experience, the number of years with the firm;
  - (c) professional accreditation; and
  - (d) accomplishments/achievements/awards.
3. In-house personnel means personnel within the Proponent's organization (see definition of Proponent in General Instructions GI 20). Past expertise and experience of personnel not within the Proponent's (or joint venture Proponent's) organization will not be considered in the evaluation.

### 3.2.7 Hypothetical Projects

1. *What we are looking for:*  
Describe the approach and methodology that you would employ to deliver the project in a general written response only.  
  
The clarity of the report writing will form part of the evaluation (use of language, document structure, conciseness and completeness of the response).
2. *What the Proponent should provide for each hypothetical project :*
  - (a) description of the approach and methodology that you would employ to solve the problem;
  - (b) summary of your proposed work breakdown structure, i.e. scope of work, resources assigned, time schedule, level of effort in terms of number of hours of all identified resources;
  - (c) appropriateness of assigned resources;
  - (d) level of effort;
  - (e) project management approach to working with PWGSC (understanding of PWGSC management structure, CSU/Client environment, standing offer process, working with the government in general);
  - (f) problem-solving methodology (client involvement, PWGSC involvement, other government agency involvement, creative approaches to solving problems).

Calculation of a fee for the provision of these services is not required.

### 3. *The Facts:*

When responding to the following hypothetical fact situations, be advised that the hypothetical is to be used for evaluation purposes only. Areas and details in the hypothetical are provided only to give the Proponent sufficient material from which to develop an outline of their approach and methodology to the resolution of the issues.

## **PROJECT 1**

### Situation:

A federal government tenant is vacating a two storey Government of Canada designated "Recognized" heritage building in April 2013, located in a remote area of Ontario. The site is located 100 kms from the departmental representative's government office. Another federal government tenant, HRSDC, with 125 FTE's will be occupying the existing 1750m<sup>2</sup> usable space (2200m<sup>2</sup> gross area) but requires additional 100 m<sup>2</sup> usable space for file storage. The existing site is large enough to accommodate the addition.

Unfortunately the stone masonry building with original wood windows has been neglected in terms of maintenance and requires some repairs. PWGSC would like to commission a heritage screening report to determine the extent of the repairs required before proceeding with the fit-up.

HRSDC has agreed to revise their office design standards to meet the Government of Canada Workplace 2.0 Fit-up Standards from 16m<sup>2</sup>/FTE to 14m<sup>2</sup>/FTE. The additional file storage space is special purpose space and requires a minimum floor loading capacity of 12.0kPA.

### Scope of services required:

Your firm has been asked to submit a proposal to provide services in two stages.

The first stage is to provide a building envelope screening report evaluating the condition of the exterior of the Government of Canada building, designated "recognized" to determine the extent of repair work required to the heritage building.

The second stage is to provide basic services for the repairs of the exterior of the existing building and renovation of the interiors including base building upgrades to suit the new office space, and the design and construction of the addition. Included in the second stage, the services of your firm, sub-consultants and specialists are also required to design and implement the interior design of the office fit-up, including modifications to the mechanical and electrical systems to suit new fit-up, provide furniture layouts including high density mobile storage (HDMS) and power/data/voice requirements for the layouts. The procurement and installation of furniture, HDMS and telecommunications services will be done by the tenant but the scope of work for these contracts will be coordinated by your team for the overall project. Your firm and your team of sub-consultants and specialists will prepare contract documents for the project to be issued for tender by PWGSC, provide contract administration during the construction and provide basic field review services up to building occupancy in March 2015.

Provide list of sub-consultants and specialists required for the project team and how the firm will deal with the remoteness of the site, located 300kms from your firm's office, deliver the two stages of services and list the scope of services provided at each phase, with the levels of effort per discipline/specialty to complete the project.

### Challenge question:

Describe the risks that may impact the schedule to complete the project on time.

## **PROJECT 2**

### **Project Outline**

Public Works and Government Services Canada (PWGSC), Custodian of the asset, will be developing and considering future plans for the REHAB Building based on the Feasibility Study - output of this project.

The key objective of this assignment is to develop a Feasibility Report including portfolio development/ redevelopment strategy for the building and a business case with a final recommendation.

The purpose of this Project is to examine a full range of options available for the facility and to recommend an approach for the facility that is realistic, and allows program requirements to be met in an effective and least-cost manner.

Strategic options to be examined include 1) long term maintain 2) maintain and upgrade 3) conditional maintain 4) disposal or transfer.

### **Project History Synopsis:**

The REHAB Building, located in Ottawa, was built by the Crown between 1958 and 1961. The original "L" shaped "A" and "B" wings consist of respectively 4 and 5 floors. Occupancy is approximately 75% office space and 25% special purpose space. No major upgrades have occurred since the original construction. Several of the mechanical systems are nearing the end of their life expectancy and need replacement.

Asbestos containing materials are present in both wings. In 1992, the construction of "C" wing was completed. This addition, consisting of 5 floors is fully shielded by welded metal plates, covering all of the exterior walls and roof. The number of windows is very limited. The large majority of the space is special purpose. The highly specialized construction and fit-up of the "C" wing building limit its use by other government departments. Changing the "C" wing building's primary function may be very costly.

The REHAB was renovated in 1999 to suit new tenancy. Several base building systems were then upgraded. Consisting of 22,033.7m<sup>2</sup>, the asset is currently occupied by Service Canada Agency. The agency will be vacating the building in January 2015. A full base building retrofit may be contemplated before the space can be reassigned.

In 2005 REHAB's Annex E, a prefabricated modular building with crawl space, was erected on the grounds adjacent to the REHAB Building. The module, presently in excellent condition, stands 2 floors high and holds approximately 140 standard workstations. Its service life expectancy is 20 years.

### **Required Work:**

Public Works and Government Services Canada (PWGSC) intends to retain a firm of architects in capacity of the Prime Consultant, together with a multidisciplinary team of Sub-consultants and Specialists, for the provision of the services required for this project.

Pre-design and project administration services are required from the Prime Consultant Team for all phases of the project.

### **Challenge question:**

Explain your potential input in preparation of the National Project Management System (NPMS)

<http://www.tpsgc-pwgsc.gc.ca/biens-property/sngp-npms/index-eng.html> deliverable: Feasibility Report at the Project Identification Stage of the project.

### 3.3 EVALUATION AND RATING

1. Proposals that are responsive (i.e. which meet all the mandatory requirements set out in the Request for Standing Offer) will be reviewed, evaluated and rated by a PWGSC Evaluation Board. In the first instance, price envelopes will remain sealed and only the technical components of the proposal will be evaluated in accordance with the following to establish Technical Ratings:

Criterion	Weight Factor	Rating	Weighted Rating
Comprehension of the Scope of Services	1.0	0-10	0-10
Team Approach / Management of Services	1.0	0 - 10	0-10
Past Experience	1.0	0 - 10	0-18
Past Experience - Sub-Consultants/Specialist	0.8	0 - 10	0-8
Senior Personnel Expertise and Experience	1.4	0 - 10	0-14
Project Personnel Expertise and Experience	1.2	0 - 10	0-12
Hypothetical Projects	3.6	0 - 10	0-36
<b>Total</b>	<b>10.0</b>		<b>0-100</b>

#### Generic Evaluation Table

PWGSC Evaluation Board members will evaluate the strengths and weaknesses of the Proponent's response to the evaluation criteria and will rate each criterion with even numbers (0, 2, 4, 6, 8 or 10) using the generic evaluation table below:

	INADEQUATE	WEAK	ADEQUATE	FULLY SATISFACTORY	STRONG
0 point	2 points	4 points	6 points	8 points	10 points
Did not submit information which could be evaluated	Lacks complete or almost complete understanding of the requirements.	Has some understanding of the requirements but lacks adequate understanding in some areas of the requirements.	Demonstrates a good understanding of the requirements.	Demonstrates a very good understanding of the requirements.	Demonstrates an excellent understanding of the requirements.
	Weaknesses cannot be corrected	Generally doubtful that weaknesses can be corrected	Weaknesses can be corrected	No significant weaknesses	No apparent weaknesses

	Proponent do not possess qualifications and experience	Proponent lacks qualifications and experience	Proponent has an acceptable level of qualifications and experience	Proponent is qualified and experienced	Proponent is highly qualified and experienced
	Team proposed is not likely able to meet requirements	Team does not cover all components or overall experience is weak	Team covers most components and will likely meet requirements	Team covers all components - some members have worked successfully together	Strong team - has worked successfully together on comparable projects
	Sample projects not related to this requirement	Sample projects generally not related to this requirement	Sample projects generally related to this requirement	Sample projects directly related to this requirement	Leads in sample projects directly related to this requirement
	Extremely poor, insufficient to meet performance requirements	Little capability to meet performance requirements	Acceptable capability, should ensure adequate results	Satisfactory capability, should ensure effective results	Superior capability, should ensure very effective results

To be considered further, proponents **must** achieve a minimum weighted rating of sixty (60) out of the hundred (100) points available for the rated technical criteria as specified above.

**No further consideration will be given to proponents not achieving the pass mark of sixty (60) points.**

#### **SRE 4 PRICE OF SERVICES**

All price proposal envelopes corresponding to responsive proposals which have achieved the pass mark of sixty (60) points are opened upon completion of the technical evaluation. When there are three or more responsive proposals, an average price is determined by adding all the price proposals together and dividing the total by the number of price proposals being opened. This calculation will not be conducted when one or two responsive proposals are received.

All price proposals which are greater than twenty-five percent (25%) above the average price will be set aside and will receive no further consideration.

The remaining price proposals are rated as follows:

1. The lowest price proposal receives a Price Rating of 100
2. The second, third, fourth and fifth lowest prices receive Price Ratings of 80, 60, 40, and 20 respectively. All other price proposals receive a Price Rating of 0.
3. On the rare occasions where two (or more) price proposals are identical, the matching price proposals receive the same rating and the corresponding number of following ratings are skipped.

The Price Rating is multiplied by the applicable percentage to establish the Price Score.



**SRE 5 TOTAL SCORE**

Total Scores will be established in accordance with the following:

Rating	Possible Range	% of Total Score	Score (Points)
Technical Rating	0 - 100	90	0 - 90
Price Rating	0 - 100	10	0 - 10
<b>Total Score</b>		<b>100</b>	<b>0 - 100</b>

The proposals will be ranked in order from the highest to the lowest using the total score (technical plus price). The proponents submitting the highest ranked proposals will be recommended for issuance of a standing offer. In the case of a tie, the Proponent submitting the lower price for the services will be selected. Canada reserves the right to issue up to five (5) Standing Offers.

**SRE 6 SUBMISSION REQUIREMENTS - CHECKLIST**

The following list of documents and forms is provided with the intention of assisting the Proponent in ensuring a complete submission. The Proponent is responsible for meeting all submission requirements.

Please follow detailed instructions in "Submission of Proposals", General Instructions to Proponents (GI 10).

- ☐ Declaration / Certifications Form - completed and signed form provided in Appendix A
- ☒ **Code of Conduct and Certifications/Proposal - list of directors / owners**
- ☐ Proposal - 1 original + 5 copies
- ☐ Front page of Request for Standing Offer
- ☐ Front page of Revision(s) to a Request for Standing Offer

In a separate envelope:

- ☐ Price Proposal form - one (1) completed and submitted in a separate envelope

Solicitation No. - N° de l'invitation

EP168-130975/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

fe102

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

20130975

File No. - N° du dossier

fe102EP168-130975

CCC No./N° CCC - FMS No/ N° VME

---

## **APPENDIX A**

### **Declaration/Certifications Form**

Solicitation No. - N° de l'invitation

EP168-130975/A

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

20130975

Amd. No. - N° de la modif.

File No. - N° du dossier

fe102EP168-130975

Buyer ID - Id de l'acheteur

fe102

CCC No./N° CCC - FMS No/ N° VME

---

### Declaration / Certifications Form (page 1 of 5)

---

**Name of Proponent:**

**Street Address:**

**Mailing Address** (if different than street address)

**City:**

**City:**

**Prov./Terr./State:**

**Prov./Terr./State:**

**Postal/ZIP Code:**

**Postal/ZIP Code:**

**Telephone Number:**(     )

**Fax Number:**     (     )

**E-Mail:**

**Procurement Business Number:**

---

**Type of Organization**

\_\_\_ Sole Proprietorship

\_\_\_ Partnership

\_\_\_ Corporation

\_\_\_ Joint Venture

**Size of Organization**

Number of Employees\_\_\_\_\_

Graduate Architects/\_\_\_\_\_

Prof. Engineers:

Other Professionals \_\_\_\_\_

Technical Support \_\_\_\_\_

Other \_\_\_\_\_

---

## Declaration / Certifications Form (page 2 of 5)

### Federal Contractors Program for Employment Equity - Certification

I, the Proponent, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a proposal non-responsive, or may set-aside a Standing Offer, or will declare a consultant in default, if a certification is found to be untrue, whether during the proposal evaluation period, during the Standing Offer period, or during the contract period. Canada will have the right to ask for additional information to verify the Proponent's certifications. Failure to comply with such request by Canada will also render the proposal non-responsive, may result in the Standing Offer set-aside, or will constitute a default under the contract.

For further information on the Federal Contractors Program for Employment Equity visit [HRSDC-Labour's website](#).

Date: \_\_\_\_\_ (YY/MM/DD) (If left blank, the date will be deemed to be the RFSO closing date.)

Complete both A and B.

A. Check one of the following:

- ☐ A1. The Proponent certifies having no work force in Canada.
- ☐ A2. The Proponent certifies being a public sector employer.
- ☐ A3. The Proponent certifies being a federally regulated employer being subject to the *Employment Equity Act*.
- ☐ A4. The Proponent certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).

A5. The Proponent certifies having a combined workforce in Canada of 100 or more employees; and

- ☐ A5.1. The Proponent certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with HRSDC-Labour.

OR

- ☐ A5.2. The Proponent certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to HRSDC-Labour. As this is a condition to issuance of a standing offer, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to HRSDC-Labour.

B. Check only one of the following:

- ☐ B1. The Proponent is not a Joint Venture.

OR

Solicitation No. - N° de l'invitation

EP168-130975/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

fe102

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

20130975

File No. - N° du dossier

fe102EP168-130975

CCC No./N° CCC - FMS No/ N° VME

- 
- ( ) B2. The Proponent is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the General Instructions to Proponents)

## Declaration / Certifications Form (page 3 of 5)

### Former Public Servant (FPS) - Certification

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts with FPS, proponents must provide the information required below before the issuance of a standing offer.

#### Definitions

For the purposes of this clause,

"former public servant" is any former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- (a) an individual;
- (b) an individual who has incorporated;
- (c) a partnership made of former public servants; or
- (d) a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c. C-17, the *Defence Services Pension Continuation Act*, 1970, c. D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c. R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c. R-11, the *Members of Parliament Retiring Allowances Act*, R.S., 1985, c. M-5, and that portion of pension payable to the *Canada Pension Plan Act*, R.S., 1985, c. C-8.

### Former Public Servant in Receipt of a Pension

As per the above definitions, is the Proponent a FPS in receipt of a pension? YES ( ) NO ( )

If so, the Proponent must provide the following information, for all FPS in receipt of a pension, as applicable:

- (a) name of former public servant;
- (b) date of termination of employment or retirement from the Public Service.

By providing this information, proponents agree that the successful Proponent's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2012-2 and the Guidelines on the Proactive Disclosure of Contracts.

---

**Declaration / Certifications Form (page 4 of 5)****Work Force Adjustment Directive**

Is the Proponent a FPS who received a lump sum payment pursuant to the terms of a Work Force Adjustment Directive? YES ( ) NO ( )

If so, the Proponent must provide the following information:

- (a) name of former public servant;
- (b) conditions of the lump sum payment incentive;
- (c) date of termination of employment;
- (d) amount of lump sum payment;
- (e) rate of pay on which lump sum payment is based;
- (f) period of lump sum payment including start date, end date and number of weeks;
- (g) number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including the Goods and Services Tax or Harmonized Sales Tax.

---

**Declaration / Certifications Form (page 5 of 5)**

---

**Name of Proponent:**

---

**This Declaration forms part of the offer.**

Education, Professional Accreditation and Experience:

All statements made with regard to the education, professional accreditation and the experience of individuals proposed for providing services under the Standing Offer are accurate and factual, and we are aware that Canada reserves the right to verify any information provided in this regard and that untrue statements may result in the proposal being declared non-responsive. Should a verification by Canada disclose untrue statements, Canada shall have the right to treat any standing offer resulting from this solicitation as being in default and to terminate it accordingly.

**DECLARATION:**

I, the undersigned, being a principal of the Proponent, hereby certify that the information given on this form and in the attached Proposal is accurate to the best of my knowledge.

**Name (print):** \_\_\_\_\_**Capacity:** \_\_\_\_\_**Signature** \_\_\_\_\_**Telephone Number:** (    ) \_\_\_\_\_**Fax Number:** (    ) \_\_\_\_\_**E-mail:** \_\_\_\_\_**Date:** \_\_\_\_\_

During proposal evaluation period, PWGSC contact will be with the above named person.

This Appendix A should be completed and submitted with the proposal, but may be submitted afterwards as follows: if any of these required certifications is not completed and submitted with the proposal, the Contracting Authority will so inform the Proponent and provide the Proponent with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the proposal non-responsive.



Solicitation No. - N° de l'invitation

EP168-130975/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

fe102

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

20130975

File No. - N° du dossier

fe102EP168-130975

CCC No./N° CCC - FMS No/ N° VME

---

## **APPENDIX B**

### Price Proposal Form

---

**APPENDIX B - PRICE PROPOSAL****INSTRUCTIONS**

1. Complete price proposal form and submit in a separate sealed envelope, with the Proponent's name, Solicitation Number, and "Price Proposal Form" typed on the outside.
2. Price proposals are not to include Applicable Taxes and will be evaluated in Canadian Dollars.
3. Proponents are not to alter or add information to the form.
4. In order to ensure that fair and competitive hourly rates are received for each of the positions listed, the following requirement must be strictly adhered to: proponents must provide an hourly rate for each listed position. In the event that the firm consists of fewer personnel than listed, provide an hourly rate that corresponds with each position listed. The hourly rate provided must be equal to or greater than the hourly rate provided for the position listed below it. For example, if the firm does not have an Intermediate Personnel, the hourly rate provided must be equal to or greater than the hourly rate provided for the Junior Personnel. Failure to insert an hourly rate for each position listed will render your proposal non-responsive.
5. The hourly rates identified will be for the duration of the Standing Offer.
6. Travel and Living Expenses: Firms are advised that any travel time and travel-related expenses associated with the delivery of services within a 50 km radius of Parliament Hill are to be calculated as an integral part of the hourly rates. For delivery of services outside of this 50 km radius, travel-related expenses will be paid (with prior approval of the Departmental Representative) in accordance with current Treasury Board Policy.
7. Fixed hourly rates for each category are to be provided in column B and are then multiplied by the weight factor in column A (provided for evaluation purpose only).

**APPENDIX B - PRICE PROPOSAL**

Name of Proponent: \_\_\_\_\_

Address: \_\_\_\_\_

**Architectural**

Category of Personnel	Weight Factor %	Fixed Hourly Rates	A x B
Column	(A)	(B)	(C)
Partners or principals of the firm	10	\$_____	\$_____
Senior Architect	40	\$_____	\$_____
Intermediate Personnel	30	\$_____	\$_____
Junior Personnel	20	\$_____	\$_____
<b>Total for Evaluation Purposes</b>			\$_____

①

***Mechanical Engineering:*** \_\_\_\_\_

Category of Personnel	Weight Factor %	Fixed Hourly Rates	A x B
Column	(A)	(B)	(C)
Partners or principals of the firm	10	\$ _____	\$ _____
Senior Engineer	40	\$ _____	\$ _____
Intermediate Personnel	30	\$ _____	\$ _____
Junior Personnel	20	\$ _____	\$ _____
<b>Total for Evaluation Purposes</b>			\$ _____
			②

***Electrical Engineering:*** \_\_\_\_\_

Category of Personnel	Weight Factor %	Fixed Hourly Rates	A x B
Column	(A)	(B)	(C)
Partners or principals of the firm	10	\$ _____	\$ _____
Senior Engineer	40	\$ _____	\$ _____
Intermediate Personnel	30	\$ _____	\$ _____
Junior Personnel	20	\$ _____	\$ _____
<b>Total for Evaluation Purposes</b>			\$ _____
			②

***Structural Engineering:*** \_\_\_\_\_

Category of Personnel	Weight Factor %	Fixed Hourly Rates	A x B
Column	(A)	(B)	(C)
Partners or principals of the firm	10	\$ _____	\$ _____
Senior Engineer	40	\$ _____	\$ _____
Intermediate Personnel	30	\$ _____	\$ _____
Junior Personnel	20	\$ _____	\$ _____
<b>Total for Evaluation Purposes</b>			\$ _____
			②

**Cost Specialist:** \_\_\_\_\_

Category of Personnel	Weight Factor %	Fixed Hourly Rates	A x B
Column	(A)	(B)	(C)
Partners or principals of the firm	10	\$ _____	\$ _____
Senior Personnel	40	\$ _____	\$ _____
Intermediate Personnel	30	\$ _____	\$ _____
Junior Personnel	20	\$ _____	\$ _____
<b>Total for Evaluation Purposes</b>			\$ _____

②

Solicitation No. - N° de l'invitation

EP168-130975/A

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

20130975

Amd. No. - N° de la modif.

File No. - N° du dossier

fe102EP168-130975

Buyer ID - Id de l'acheteur

fe102

CCC No./N° CCC - FMS No/ N° VME

Discipline	Weight Factor (A)	Fixed Hourly Rates Total (B)	Total (A X B)
Architectural	40	①	
Mechanical Engineering	20	②	
Electrical Engineering	20	③	
Structural Engineering	10	④	
Cost Specialist	10	⑤	
Total for Evaluation Purposes	100		⑥

**Signature of Consultant or Joint Venture Consultants.**

.....  
signature

.....  
signature

.....  
capacity

.....  
capacity

.....  
signature

.....  
signature

.....  
capacity

.....  
capacity

**END OF PRICE PROPOSAL FORM**



Solicitation No. - N° de l'invitation

EP168-130975/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

fe102

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

20130975

fe102EP168-130975

---

## APPENDIX C

### Team Identification

*For details on this format, please see SRE in the Request For Standing Offer.*

*The prime consultant and other members of the Consultant Team shall be, or eligible to be, licensed, certified or otherwise authorized to provide the necessary professional services to the full extent that may be required by provincial or territorial law.*

## **I. Prime Consultant:**

### **Architectural**

Firm Name .....

- Key Individuals and .....  
provincial .....  
professional licensing .....  
status. ....  
.....  
.....

## **II. Key Sub Consultants:**

### **Mechanical Engineering**

Firm Name .....

- Key Individuals .....  
professional licensing .....  
status. ....  
.....

### **Electrical Engineering**

Firm Name .....

- Key Individuals .....  
professional licensing .....  
status. ....  
.....

### **Structural Engineering**

Firm Name .....

- Key Individuals .....  
professional licensing .....  
status. ....  
.....

Solicitation No. - N° de l'invitation

EP168-130975/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

fe102

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

20130975

File No. - N° du dossier

fe102EP168-130975

CCC No./N° CCC - FMS No/ N° VME

---

### **Cost Specialist**

Firm Name .....

- Key Individuals

.....  
.....  
.....  
.....

Solicitation No. - N° de l'invitation

EP168-130975/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

fe102

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

20130975

File No. - N° du dossier

fe102EP168-130975

CCC No./N° CCC - FMS No/ N° VME

---

## **APPENDIX D**

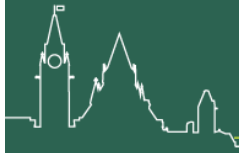
### Doing Business with the National Capital Area (NCA)



Public Works and  
Government Services  
Canada

Travaux publics et  
Services gouvernementaux  
Canada

Canada



Respect • Integrity • Excellence • Leadership

Serving  
**GOVERNMENT,**  
Serving  
**CANADIANS.**

## Doing Business with the National Capital Area (NCA)



[www.pwgsc-tpsgc.gc.ca](http://www.pwgsc-tpsgc.gc.ca)

Last updated: Apr 8, 2013

---

## **TABLE OF CONTENTS**

<b>SECTION</b>	<b>PAGE</b>
<b>SECTION 1</b> INTRODUCTION .....	3
<b>SECTION 2</b> PWGSC NATIONAL CADD STANDARD .....	4
<b>SECTION 3</b> GUIDE TO PREPARATION OF CONSTRUCTION DOCUMENTS FOR PWGSC .....	4
<b>SECTION 4</b> CLASSES OF CONSTRUCTION COST ESTIMATES USED BY PWGSC .....	14
<b>SECTION 5</b> TIME MANAGEMENT .....	16

### **Appendices**

Appendix 'A'	Checklist for the Submission of Construction Documents
Appendix 'B'	Sample Addendum Format
Appendix 'C'	Sample Index for Drawings and Specifications
Appendix 'D'	User Manual on Directory Structure and Naming Conventions Standards for Construction Tender Documents on CDROM, dated May 2005
Appendix 'E'	Basic Reference Guide on Converting Construction Drawings into Portable Document Format (PDF), dated May 2005

---

## **SECTION 1 INTRODUCTION**

This document must be used in conjunction with the Terms of Reference (TOR), as the two documents are complimentary. The TOR describes project-specific requirements while this document deals with information common to all projects. In case of a conflict between the two documents, the requirements of the TOR override this document.

---

## **SECTION 2 PWGSC NATIONAL CADD STANDARD**

Drawings shall be in accordance with PWGSC National CADD Standards and Canadian Standards Association (CSA) B78.3.

Refer to:

<http://www.tpsgc-pwgsc.gc.ca/biens-property/cdao-cadd/index-eng.html>

The above link is subject to change. The Consultant shall check with the Project Manager to ensure that the link and related information are current and relevant with regards to PWGSC National CADD Standards.

## **SECTION 3 GUIDE TO PREPARATION OF CONSTRUCTION DOCUMENTS FOR PWGSC**

### **1 Purpose**

This document provides direction in the preparation of construction contract documents (namely specifications, drawings and addenda) for Public Works and Government Services Canada (PWGSC).

Drawings, specifications and addenda must be complete and clear, so that a contractor can prepare a bid without guesswork. Standard practice for the preparation of construction contract documents requires that:

- drawings are the graphic means of showing work to be done, as they depict shape, dimension, location, quantity of materials and relationship between building components.
- specifications are written descriptions of materials and construction processes in relation to quality, colour, pattern, performance and characteristics of materials, installation and quality of work requirements.
- Addenda are changes to the construction contract documents or tendering procedures, issued during the tendering process.

### **2 Principles of PWGSC Contract Documents**

PWGSC's contract documents are based on common public procurement principles. PWGSC does not use Canadian Construction Document Committee (CCDC) documents.

The terms and conditions are prepared and issued by PWGSC as well as other related bidding and contractual documents. For information, the clauses are available on the following web site: <http://sacc.pwgsc.gc.ca/sacc/query-e.jsp>. Any questions should be directed to the Project Manager.

### **3 Quality Assurance**

Consultants are required to undertake their own quality control process and must review, correct and coordinate (between disciplines) their documents before sending them to PWGSC.



---

## **SPECIFICATIONS**

### **1 National Master Specification**

The National Master Specification (NMS) is a master construction specification available in both official languages, which is divided into 48 Divisions and used for a wide range of construction and/or renovation projects. In preparing project specifications, the Consultant must use the current edition of the NMS in accordance with the "NMS User's Guide".

The Consultant retains overriding responsibility for content and shall edit, amend and supplement the NMS as deemed necessary to produce an appropriate project specification free from conflict and ambiguity.

### **2 Specification Organization**

Narrowscope sections describing single units of work are preferred for more complex work, however, broadscope sections may be more suitable for less complex work. Use either the NMS 1/3 - 2/3 page format or the Construction Specifications Canada full-page format.

Start each Section on a new page and show Project Number, Section Title, Section Number and Page Number on each page. Specification date, project title, and consultant's name are not to be indicated.

### **3 Terminology**

Use the term "Departmental Representative" instead of Engineer, PWGSC, Owner, Consultant or Architect. "Departmental Representative" means the person designated in the Contract, or by written notice to the Contractor, to act as the Departmental Representative for the purposes of the Contract, and includes a person, designated and authorized in writing by the Departmental Representative to the Contractor.

Notations such as: "verify on site", "as instructed", "to match existing", "example", "equal to" or "equivalent to", "to be determined on site by "Departmental Representative", should not be indicated in the specifications as this promotes inaccurate and inflated bids. Specifications must permit bidders to calculate all quantities and bid accurately. If quantities are impossible to identify (i.e. cracks to be repaired) give an estimated quantity for bid purposes (unit prices). Ensure that the terminology used throughout the specifications is consistent and does not contradict the applicable standard construction contract documents.

### **4 Dimensions**

Dimensions are to be in metric only (no dual dimensioning).

### **5 Standards**

As references in the NMS may not be up to date, it is the responsibility of the consultant to ensure that the project specification uses the latest applicable edition of all references quoted. The following is a list of some of the Internet websites which provide the most current publications of standards for reference in the construction specification document.

- CSA standards: <http://www.csa.ca>
- CGSB standards: <http://www.pwgsc.gc.ca/cgsb>
- ANSI standards: <http://www.ansi.org>
- ASTM Standards: <http://www.astm.org>
- ULC standards: <http://www.ulc.ca>
- General reference of standards: <http://www.cssinfo.com>

---

The NMS website (<http://www.tpsgc-pwgsc.gc.ca/biens-property/ddn-nms/index-eng.html>) also links to other documents references in the NMS under its "Links" feature.

## 6 Specifying Materials

The practice of specifying actual brand names, model numbers, etc., is against departmental policy except for special circumstances. The method of specifying materials shall be by using recognized standards such as those produced by Canadian Gas Association (CGA), Canadian General Standards Board (CGSB), Canadian Standards Association (CSA), and Underwriters' Laboratories of Canada (ULC), or by trade associations such as Canadian Roofing Contractors' Association (CRCA) and Terrazzo, Tile, Marble Association of Canada (TTMAC). Canadian standards should be used wherever possible.

If the above method cannot be used and where no standards exist, specify by a non-restrictive, non-trade name "prescription" or "performance" specifications.

In exceptional or justifiable circumstances or if no standards exist and when a suitable non-restrictive, non-trade name "prescription" or "performance" specification cannot be developed, specify by trade name. Include all known materials acceptable for the purpose intended, and in the case of equipment, identify by type and model number.

Acceptable Materials: set up the paragraph format as follows:

Acceptable Materials:

1. ABC Co. Model [\_\_\_\_\_].
2. DEF Co. Model [\_\_\_\_\_].
3. GHI Co. Model [\_\_\_\_\_].

Alternative materials to those specified may be considered during the solicitation period, however, the onus will be on the Consultant to review and evaluate all requests for approval of alternative materials.

The term "Acceptable Manufacturers" should not be used, as this restricts competition and does not ensure the actual material or product will be acceptable. A list of words and phrases that should be avoided is included in the NMS User's Guide.

Sole Sourcing: Sole sourcing for materials and work can be used for proprietary systems (ie. fire alarm systems, EMCS systems). **Substantiation and/or justification will be required.**

Wording for the sole source of work should be in Part 1 as:

"Designated Contractor

- .1 Hire the services of [\_\_\_\_\_] to do the work of this section."

Wording for the sole source of EMCS systems should be in Part 1 as

"Designated Contractor

- .1 Hire the services of [\_\_\_\_\_] or its authorized representative to complete the work of all EMCS sections."

and in Part 2 as "Materials

- .1 There is an existing [\_\_\_\_\_] system presently installed in the building. All materials must be selected to ensure compatibility with the existing [\_\_\_\_\_] system.

Wording for the sole source of materials (ie. fire alarm systems) should be in Part 2 as:

"Acceptable materials

.1 The only acceptable materials are [ ] .”

Prior to including sole source materials and/or work, the Consultant should contact the Project Manager to obtain the approval for the sole sourcing.

## 7 Unit Prices

Unit prices are used where the quantity can only be estimated (eg. earth work) and the approval of the Project Manager must be sought in advance of their use.

Use the following wording:

[The work for this section] or [define the specific work if required, e.g. rock excavation] will be paid based on the actual quantities measured on site and the unit prices stated in the Bid and Acceptance Form.

In each applicable NMS section, replace paragraph title "Measurement for Payment" with "Unit Prices".

Sample of Unit Price Table:

The Unit Price Table designates the Work to which a Unit Price Arrangement applies.

- (a) The Price per Unit and the Estimated Total Price must be entered for each Item listed.
- (b) Work included in each item is as described in the referenced specification section.

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity	Price per Unit GST/HST extra	Estimated Total Price GST / HST extra
<b>TOTAL ESTIMATED AMOUNT</b>						
<b>Transfer amount to subparagraph 1)(b) of BA03</b>						

## 8 Cash Allowances

Construction contract documents should be complete and contain all of the requirements for the contractual work. Cash allowances are to be used only under exceptional circumstances (ie. utility companies, municipalities), where no other method of specifying is appropriate. Obtain approval from the Project Manager in advance to include cash allowances and then use "Section 01 21 00 - Allowances" of the NMS to specify the criteria.

## 9 Warranties

It is the practice of PWGSC to have a 12 month warranty and to avoid extending warranties for more than 24 months. When necessary to extend beyond the 12 month warranty period provided for in the General Conditions of the contract, use the following wording in Part 1 of the applicable technical sections, under the heading "Extended Warranty":

- "For the work of this Section [ ], the 12 month warranty period is extended to 24 months.
- Where the extended warranty is intended to apply to a particular part of a specification section modify the above as follows: "For [ ] the 12 month ... [ ] months."

---

Delete all references to manufacturers' guarantees.

## **10 Scope of Work**

No paragraphs noted as "Scope of Work" are to be included.

## **11 Summary and Section Includes in Part -1 General of Section**

Do not use "Summary" and "Section Includes."

## **12 Related Sections**

In every section of the specification at 1.1 "Related Sections": coordinate the list of related sections and appendices. Ensure co-ordination among the sections of the specification and ensure not to reference any section or appendices which do not exist.

## **13 Index**

List all the plans and specification sections with correct number of pages, section names and correct drawing titles in the format shown in Appendix A.

## **14 Regional Guide**

The Consultant should contact the Project Manager to obtain the region's requirements for Division 01 or other short form specifications as might be appropriate. For example, it is required in the National Capital Region that regional Section 01 00 10 - General Instructions be used on all projects.

## **15 Health and Safety**

It is required that all project specifications include "Section 01 35 29.06 - Health and Safety Requirements." Confirm with the Project Manager to determine if there are any instructions to meet regional requirements.

## **16 Designated Substances Report**

Include "Section 01 14 25 - Designated Substances Report"

## **17 Subsurface Investigation Reports**

Subsurface Investigation Report(s) are to be included after Section 31 and the following paragraph should be added to Section 31:

Subsurface investigation report(s)

.1 Subsurface investigation report(s) are included in the specification following this section.

When the Project Manager determines that it is not practical to include the subsurface investigation report(s), alternate instructions will be provided.

Where tender documents are to be issued in both official languages, the subsurface investigation report(s) shall be issued in both languages.

In addition to the provision of the Subsurface Investigation Report, the foundation information required by the National Building Code of Canada 2005 (Division C, Part 2, 2.2.4.6) shall be included on foundation drawings.

## **18 Experience and Qualifications**

Remove experience and qualification requirements from specification sections.

---

## **19 Prequalification and Pre-award submissions**

Do not include in the specification any mandatory contractor and/or subcontractor prequalification or pre-award submission requirements that could become a contract award condition. If a prequalification process or a pre-award submission is required, contact the Project Manager.

There should be no references to certificates, transcripts or license numbers of a trade or subcontractor being included with the bid.

## **20 Contracting Issues**

Specifications describe the workmanship and quality of the work. Contracting issues should not appear in the specifications. Division 00 of the NMS is not used for PWGSC projects.

Remove all references within the specifications, to the following:

- General Instructions to Bidders
- General Conditions
- CCDC documents
- Priority of documents
- Security clauses
- Terms of payment or holdback
- Tendering process
- Bonding requirements
- Insurance requirements
- Alternative and separate pricing
- Site visit (Mandatory or Optional)
- Release of Lien and deficiency holdbacks

## **DRAWINGS**

### **1 Title Blocks**

Use PWGSC title block for drawings and sketches (including addenda).

### **2 Dimensions**

Dimensions are to be in metric only (no dual dimensioning).

### **3 Trade Names**

Trade names on drawings are not acceptable. Refer to SECTION 3, SPECIFICATIONS, 6.0 Specifying Materials for specifying materials by trade name.

### **4 Specification Notes**

No specification type notes are to appear on any drawing.

### **5 Terminology**

Use the term "Departmental Representative" instead of Engineer, PWGSC, Owner, Consultant or Architect. "Departmental Representative" means the person designated in the Contract, or by written notice to the Contractor, to act as the Departmental Representative for the purposes of the Contract, and includes a person, designated and authorized in writing by the Departmental Representative to the Contractor.

---

Notations such as: "verify on site", "as instructed", "to match existing", "example", "equal to" or "equivalent to", "to be determined on site by "Departmental Representative", should not be indicated in the specifications as this promotes inaccurate and inflated bids. Specifications must permit bidders to calculate all quantities and bid accurately. If quantities are impossible to identify (i.e. cracks to be repaired) give an estimated quantity for bid purposes (unit prices). Ensure that the terminology used throughout the specifications is consistent and does not contradict the applicable standard construction contract documents.

## **6 Information to be included**

Drawings should show the quantity and configuration of the project, the dimensions and details of how it is constructed. There should be no references to future work and no any information that will be changed by future addenda. The scope of work should be clearly detailed and elements not in contract should be eliminated or kept to an absolute minimum.

**7 Drawing Numbers:** Number drawings in sets according to the type of drawing and the discipline involved as follows (The requirements of SECTION 2 PWGSC NATIONAL CADD STANDARD will supercede these requirements, where warranted).

---

During the Design Phase of the project each submission and review must be noted on the Notes block of the drawing title, but at the time of construction document preparation, all revision notes should be removed.

Discipline	Drawing
Demolition	D1, D2, etc.
Architectural	A1, A2, etc.
Civil	C1, C2, etc.
Landscaping	L1, L2, etc.
Mechanical	M1, M2, etc.
Electrical	E1, E2, etc.
Structural	S1, S2, etc.
Interior Design	ID1, ID2, etc.

- 8 Presentation Requirements:** Present drawings in sets comprising the applicable demolition, architectural, structural, mechanical and electrical drawings in that order. All drawings should be of uniform standard size.
- 9 Prints:** Print with black lines on white paper. Blue prints are acceptable for document submissions at 33%, 66% and 99% stages. Confirm with Project Manager the size of prints to be provided for review purposes.
- 10 Binding:** Staple or otherwise bind prints into sets. Where presentations exceed 20 sheets, the drawings for each discipline may be bound separately for convenience and ease of handling.
- 11 Legends:** Provide a legend of symbols, abbreviations, references, etc., on the front sheet of each set of drawings or, in large sets of drawings, immediately after the title sheet and index sheets.
- 12 Schedules:** Where schedules occupy entire sheets, locate them next to the plan sheets or at the back of each set of drawings for convenient reference. See *CGSB 33-GP-7 Architectural Drawing Practices for schedule arrangements*.
- 13 North Points:** On all plans include a north point. Orient all plans in the same direction for easy cross-referencing. Wherever possible, lay out plans so that the north point is at the top of the sheet.
- 14 Drawing Symbols:** Follow generally accepted drawing conventions, understandable by the construction trades, and in accordance with PWGSC publications.

---

## **ADDENDA**

### **1 Format**

Prepare addenda using the format shown in Appendix B. No signature type information is to appear.

Every page of the addendum (including attachments) must be numbered consecutively. All pages must have the PWGSC project number and the appropriate addendum number. Sketches shall appear in the PWGSC format, stamped and signed.

No Consultant information (name, address, phone #, consultant project # etc.) should appear in the addendum or its attachments (except on sketches).

### **2 Content**

Each item should refer to an existing paragraph of the specification or note/detail on the drawings. The clarification style is not acceptable.

## **DOCUMENTATION**

### **Translation**

When required, all documentation included in the construction contract documents shall be in both official languages.

Ensure that English and French documents are equal in all respects. There can be no statement that one version takes precedence over the other.

### **Consultant shall provide:**

- Per construction document submission, a completed and signed Checklist for the Submission of Construction Documents. See Appendix 'A'.
- Specification: originals printed one side on 216 mm x 280 mm white bond paper.
- Index: as per Appendix 'C'
- Addenda (if required): as per Appendix 'B' (to be issued by PWGSC).
- Drawings: reproducible originals, sealed and signed by the design authority.
- Tender information:
  - Including a description of all units and estimated quantities to be included in unit price table.
  - Including a list of significant trades including costs. PWGSC will then determine which trades, if any, will be tendered through the Bid Depository.
  - Government Electronic Tendering System (MERX): Consultants to provide an electronic true copy of the final documents (specifications and drawings) on one or multiple CD-ROM in Portable Document Format (PDF) without password protection and printing restrictions. The electronic copy of drawings and specifications is for bidding purposes only and do not require to be signed and sealed. See Appendix 'D' and Appendix 'E'.

### **PWGSC shall provide:**

- General and Special Instructions to Bidders
- Bid and Acceptance Form
- Standard Construction Contract Documents





---

## **SECTION 4 CLASSES OF CONSTRUCTION COST ESTIMATES USED BY PWGSC**

### **DESCRIPTION OF THE CLASSES OF ESTIMATES USED BY PWGSC FOR CONSTRUCTION COSTING OF BUILDINGS PROJECTS**

#### **Class 'D' (Indicative) Estimate:**

Based upon a comprehensive statement of requirements, and an outline of potential solutions, this estimate is to provide an indication of the final project cost, and allow for ranking all the options being considered.

Submit Class D cost estimates in elemental cost analysis format latest edition issued by the Canadian Institute of Quantity Surveyors with cost per m<sup>2</sup> for current industry statistical data for the appropriate building type and location. Include a summary in the cost estimate, plus full back up, showing items of work, quantities, unit prices, allowances and assumptions.

The level of accuracy of a class D cost estimate shall be such that no more than a 20% contingency allowance is required.

#### **Class 'C' Estimate:**

Based on a comprehensive list of requirements and assumptions, including a full description of the preferred schematic design option, construction/design experience, and market conditions. This estimate must be sufficient for making the correct investment decision.

Submit Class C cost estimates in elemental cost analysis format latest edition issued by the Canadian Institute of Quantity Surveyors with cost per m<sup>2</sup> for current industry statistical data for the appropriate building type and location. Include a summary in the cost estimate, plus full back up, showing items of work, quantities, unit prices, allowances and assumptions.

The level of accuracy of a class C cost estimate shall be such that no more than a 15% contingency allowance is required.

#### **Class 'B' (Substantive) Estimate:**

Based on design development drawings and outline specifications, which include the design of all major systems and subsystems, as well as the results of all site/installation investigations. This estimate must provide for the establishment of realistic cost objectives and be sufficient to obtain effective project approval.

Submit Class B cost estimates in elemental cost analysis format latest edition issued by the Canadian Institute of Quantity Surveyors. Include a summary in the cost estimate, plus full back up, showing items of work, quantities, unit prices, allowances and assumptions.

The level of accuracy of a class B cost estimate shall be such that no more than a 10% design contingency allowance is required.

#### **Class 'A' (Pre-Tender) Estimate:**

---

Based on completed construction drawings and specifications prepared prior to calling competitive tenders. This estimate must be sufficient to allow a detailed reconciliation/negotiation with any contractor's tender.

Submit Class A cost estimates in both elemental cost analysis format and trade divisional format latest edition issued by the Canadian Institute of Quantity Surveyors. Include a summary in the cost estimate, plus full back up, showing items of work, quantities, unit prices, allowances and assumptions.

The level of accuracy of a class A cost estimate shall be such that no more than a 5% design contingency allowance is required.

---

## **SECTION 5 TIME MANAGEMENT**

### **1 Time Management, Planning, and Control**

The Time Management, Planning, and Control Specialist (scheduler) shall provide a Project Planning and Control System (Control System) for Planning, Scheduling, Progress Monitoring and Reporting and a Time Management, Planning, and Control Report (Progress Report). It is required that a fully qualified and experienced Scheduler play a major role in providing services in the development and monitoring of the project schedule.

The scheduler will follow good industry practices for schedule development and maintenance as recognized by the Project Management Institute (PMI).

PWGSC presently utilizes the Primavera Suite software and MicroSoft Project for its current Control Systems and any software used by the consultant should be fully integrated with these, using one of the many commercially available software packages.

#### **1.1 Schedule Design**

Project Schedules are used as a guide for execution of the project as well as to communicate to the project team when activities are to happen, based on network techniques using Critical Path Method (CPM).

When building a Control System you must consider:

1. The level of detail required for control and reporting;
2. The reporting cycle- monthly and what is identified in the Terms of Reference, but also includes Exception Reports;
3. That the duration must be in days;
4. What is required for reporting in the Project Teams Communications Plan and
5. The nomenclature and coding structure for naming and reporting requirements of activities, schedules and reports.

#### **1.2 Schedule Development**

For purposes of monitoring and reporting of project progress and ease of schedule review it is important to maintain a standard for all schedules and reports starting with the Work Breakdown Structure (WBS), identification of Milestones, naming of activities as well as schedule outputs and paper sizing and orientation.

##### **Work Breakdown Structure**

When developing the schedule the consultant needs to use PWGSC standards and practices. Two basic requirements are the National Project Management System

---

(NPMS) and a Work Breakdown Structure (WBS), structured supporting the NPMS (Levels 1-4).

The WBS is as follows:

- Level 1 Project Title (NPMS)
- Level 2 Project Stage (NPMS)
- Level 3 Project Phase (NPMS)
- Level 4 Processes to meet Deliverables/Control Points Milestones (NPMS)
- Level 5 Sub-Processes and Deliverables in support of Level 4
- Level 6 Discrete activities. (Work Package)

Not all the Stages, Phases and Processes in the NPMS will be required on all the projects, however the structure remains the same.

### **Major and Minor Milestones**

The Major Milestones are standard Deliverables and Control Points within NPMS and are required in all schedule development. These Milestones will be used in Management Reporting within PWGSC as well as used for monitoring project progress using Variance Analysis. The Minor milestones are process deliverables (Level 4) or sub-process deliverables (level 5) also used in Variance Analysis.

Each Milestone will also be assigned appropriate coding for Status Reporting and Management Reporting.

Milestones must have zero duration and are used for measuring project progress.

Milestones may also be external constraints such as the completion of an activity, exterior to the project, affecting the project.

### **Activities**

All activities will need to be developed based on Project Objectives, Project Scope , Major and Minor Milestones, meetings with the project team and the scheduler's full understanding of the project and it's processes.

Subdivide the elements down into smaller more manageable pieces that organize and define the total scope of work in Levels 5-6 that can be scheduled, costed, monitored and controlled. This process will develop the Activity List for the project.

Each activity is a discrete element of work and is the responsibility of one person to perform.

Each activity will describe the work to be performed using a verb and noun combination (i.e. Review Design Development Report).

Activities should not have durations longer than 2 update cycles, with exception of activities not yet defined in a "Rolling Wave".

---

Each activity will be assigned at WBS level 6 and appropriately coded for Status Reporting and Management Reporting.

These elements will become activities, interdependently linked in Project Schedules.

### **Project Logic**

Once the WBS, Milestones and Activity List have been developed the activities and milestones can be linked in a logical manner starting with a Project Start Milestone. Every activity and milestone must be linked in a logical manner using either a Finish to Start (FS), Finish to Finish (FF), Start to Start (SS) or Start to Finish (SF) relationship. There can be no open-ended activities or milestones.

A Finish to Start (FS) is the preferred relationship.

When developing relationships avoid the use of lags and constraints in place of activities and logic.

### **Activity Duration**

The activity duration (in days) is the estimated length of time it will take to accomplish a task.

Consideration needs to be taken in how many resources are needed and are available, to accomplish any activity. (Example: availability of Framers during a “Housing Boom”.) Other factors are the type or skill level of the available resources, available hours of work, weather etc.

There will be several types of lists and schedules produced from this process, which will form part of the Progress Report.

### **Activity List**

An Activity List identifies all activities including milestones required to complete the whole project.

### **Milestone List**

A Milestone List identifies all project Major and Minor milestones.

### **Master Schedule**

A Master Schedule is a schedule used for reporting to management at WBS level 4 and 5 that identifies the major activities and milestones derived from the detailed schedule. Cash Flow projections can be assigned at WBS level 5 for monitoring the Spending Plan.

### **Detailed Project Schedule**

---

A Detailed Project Schedule is a schedule in reasonable detail (down to WBS Level 6 and 7) for progress monitoring and control, this will ensure that the schedule shall be in sufficient detail to ensure adequate planning and control.

### **1.3 Schedule Review and Approval**

Once the scheduler has identified and properly coded all the activities; put them into a logical order and then determined the appropriate durations. The scheduler can then analyze the schedule to see if the milestone dates meet the contractual requirements and then adjust the schedule accordingly by changing durations, resource leveling or changing logic.

When the schedule has been satisfactorily prepared the scheduler can present the detailed schedule to the Project Team for approval and be Baselined. There may be several iterations before the schedule meets with the Project Teams agreement and the contractual requirements.

The final agreed version must be copied and saved as the Baseline to monitor variances for reporting purposes.

### **1.4 Schedule Monitoring and Control**

Once Baselined the schedule can be better monitored, controlled and reports can be produced.

Monitoring is performed by, comparing the baseline activities % complete and milestone dates to the actual and forecast dates to identify the variance and record any potential delays, outstanding issues and concerns and provide options for dealing with any serious planning and scheduling issues in report form.

Analyze and report from early start sequence on all activities due to start, underway, or finished for the complete project.

There will be several reports generated from the analysis of the baseline schedule and will form part of the Time Management Report in the Required Services Sections (RS)

### **Progress Reports**

A Progress Report reflects the progress of each activity to the date of the report, any logic changes, both historic and planned, projections of progress and completion the actual start and finish dates of all activities being monitored.

#### **The Progress Report includes:**

A Narrative Report, detailing the work performed to date, comparing work progress to planned, and presenting current forecasts. This report should summarize the progress to date, explaining current and possible deviations and delays and the required actions to resolve delays and problems with respect to the Detail Schedule, and Critical Paths.

Narrative reporting begins with a statement on the general status of the project followed by a summarization of delays, potential problems and project status criticality, any

---

potential delays, outstanding issues and concerns and options for dealing with any serious planning and scheduling issues.

A Variance Report, with supporting schedule documentation, detailing the work performed to date, comparing work progress to planned. This report should summarize the progress to date, explaining all causes of deviations and delays and the required actions to resolve delays and problems with respect to the Detail Schedule, and Critical Paths.

A Criticality Report identifying all activities and milestones with negative, zero and up to five days Total Float used as a first sort for ready identification of the critical, or near critical paths through the entire project.

Included in the Progress Report as attachments are: WBS chart, Activity Lists, Milestone Lists, Master Schedules, Detailed Project Schedule

### **Exception Report**

The Scheduler is to provide continuous monitoring and control, timely identification and early warning of all unforeseen or critical issues that affect or potentially affect the project.

If unforeseen or critical issues arise, the Scheduler will advise the Project Manager and submit proposed alternative solutions in the form of an Exception Report.

An Exception Report will include sufficient description and detail to clearly identify:

1. Scope Change: Identifying the nature, reason and total impact of all identified and potential project scope changes affecting the project.
2. Delays and accelerations: Identifying the nature, the reason and the total impact of all identified and potential duration variations.
3. Options Enabling a Return to the project baseline: Identifying the nature and potential effects of all identified options proposed to return the project within baselined duration.

### **1.5 Standard Submissions**

At each submission or deliverable stage provide a complete and updated Progress Report, the contents of each report will vary with requirements and at each project phase. Typically a Progress Report has:

1. Executive Summary;
2. Narrative Report;
3. Variances Report;
4. Criticality Report;
5. Exception Report (as required)
6. Work Breakdown Structure Chart;
7. Activity List;
8. Milestone List;
9. Master Schedule with Cash Flow Projections;
10. Detail Project Schedule (Network Diagram or Bar Charts);



---

## **1.6 Schedule Outputs and Reporting Formats**

The sheet sizing and orientation is more a suggestion that a role, changes to the paper format may vary to accommodate the information and column information required.

---

## **Progress Reports**

Paper Size: Letter

Paper Format: Portrait

Title Format: Project Title; Report Type; Print Date; Data Date; Revision Block

Body Text: Narratives for each report to match other reports generated in the D.S.S.

Variance Report Columns: Activity ID, Activity Name, Planned Finish, Revised Finish, Variance, Activity % Complete,

Criticality Report Columns: Activity ID, Activity Name, Duration, Start, Finish, Activity % Complete, Total Float.

## **Exception Reports**

Paper Size: Letter

Paper Format: Portrait

Title Format: Project Title; Report Type; Print Date; Data Date; Revision

Body Text: Narrative to match other reports generated in the D.S.S.

Paper Size: Letter

Paper Format: Landscape

Title Format: Project Title; Report Type; Print Date; Data Date; Revision

Columns: Activity ID, Activity Name, Duration, Remaining Duration, Start, Finish, Total Float.

Work Breakdown Structure (indent tree):

Paper Size: Letter

Paper Format: Portrait

Columns: WBS Code, WBS Name, Duration, Cost estimate, start and finish dates.

Footer Format: Project Title; Report Type; Print Date; Data Date; Revision Block

## **Activity Lists**

Paper Size: Letter

Paper Format: Portrait

Columns: Activity ID, Activity Name, Start, Finish, Predecessor, Successor.

Footer Format: Project Title; Report Type; Print Date; Data Date; Revision Block

Sort with Early Start, then Early Finish, then Activity ID and with the WBS.

## **Milestone Lists**

Paper Size: Letter

Paper Format: Portrait

---

Footer Format: Project Title; Report Type; Print Date; Data Date; Revision Block  
Columns: Activity ID, Activity Name, Start, Finish.

Sort with Early Start, then Early Finish, then Activity ID and without the WBS.

### **Master Schedule (Bar Chart)**

Paper Size: 11X17  
Paper Format: Landscape  
Footer Format: Project Title; Report Type; Print Date; Data Date; Revision Block  
Columns: Activity ID, Activity Name, Duration, Activity % Complete, Start, Finish,  
Total Float.

Sort with Early Start, then Early Finish, then Activity ID and with the WBS.

### **Detailed Project Schedules (Bar Chart)**

Paper Size: 11X17  
Paper Format: Landscape  
Footer Format: Project Title; Report Type; Print Date; Data Date; Revision Block  
Columns: Activity ID, Activity Name, Duration, Activity % Complete, Start, Finish,  
Total Float.

Sort with Early Start, then Early Finish, then Activity ID and with the WBS.

## APPENDIX 'A' - Checklist for the Submission of Construction Documents to PWGSC

Last updated November 21, 2012

<b>Date:</b>		
<b>Project Title:</b>	<b>Project Location:</b>	
<b>Project Number:</b>	<b>Contract Number:</b>	
<b>Consultant's Name:</b>	<b>PWGSC Project Manager:</b>	
<b>Review Stage:</b> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>66%</span> <span>99%</span> <span>100%</span> </div>		

Item	Verified by:	Comments:	Action by:
<b>Specifications:</b>			
<b>1 National Master Specifications</b>			
<b>1a</b> The current edition of the NMS has been used.			
<b>1b</b> Sections have been included for all work identified on drawings and sections edited.			
<b>2 Specification Organization</b>			
<b>2a</b> Either the NMS 1/3 - 2/3 page format or the Construction Specifications Canada full page format is used.			
<b>2b</b> Each Section starts on a new page and the Project Number, Section Title, Section Number and Page Number show on each page.			
<b>2c</b> Specification date and consultant's name are not indicated.			
<b>3 Terminology</b>			
<b>3a</b> The term Departmental Representative is used instead of Engineer, PWGSC, Owner, Consultant or Architect.			
<b>3b</b> Notations such as: "verify on site", "as instructed", "to match existing", "example", "equal to", "equivalent to" and "to be determined on site by" are not used.			
<b>4 Dimensions</b>			
<b>4a</b> Dimensions are provided in metric only.			
<b>5 Standards</b>			
<b>5a</b> The latest edition of all references quoted is used.			

<b>6 Specifications Materials</b>			
<b>6a</b> The method of specifying materials uses recognized standards. Actual brand names and model numbers are not specified.			
<b>6b</b> Materials are specified using standards and performance criteria (if not, the correct form of acceptable materials has been used).			
<b>6c</b> Identify if non-restrictive, non-trade name “prescription” or “performance” specifications are used.			
<b>6d</b> Indicate if a list of acceptable materials have been used.			
<b>6e</b> The term “Acceptable Manufacturers” is not used.			
<b>6f</b> No sole sourcing has been used.			
<b>6g</b> If sole sourcing has been used, the correct wording has been used and a justification provided to RPCD for the sole sourced products.			
<b>7 Unit Prices</b>			
<b>7a</b> Unit prices are used only for work that is difficult to estimate.			
<b>8 Cash Allowances</b>			
<b>8a</b> Indicate if cash allowances have been used.			
<b>9 Warranties</b>			
<b>9a</b> Indicate if warranties extend more than a 12 or 24 months period.			
<b>9b</b> Manufacturers guarantees are not indicated.			
<b>10 Scope of Work</b>			
<b>10</b> No paragraphs noted as “Scope of Work” are included.			
<b>11 Summary and Section Includes</b>			
<b>11a</b> In part 1 of section, paragraphs “Summary” and “Section Includes” are not used.			
<b>12 Related Sections</b>			
<b>12a</b> The list of related sections and appendices are coordinated.			
<b>13 Index</b>			
<b>13a</b> The index shows a complete list of plans and specification sections with the correct number of pages and correct drawing titles and section names.			
<b>14 Regional Guide Specifications</b>			
<b>14a</b> General Instructions is included (Section 01 00 10 in the NCA).			

<b>15 Health and Safety</b>			
<b>15a</b> Section 01 35 29.06 - Health and Safety Requirements is included.			
<b>16 Designated Substances Report</b>			
<b>16 a</b> Section 01 14 25 - Designated Substances Report is included.			
<b>17 Subsurface Investigation Reports</b>			
<b>17a</b> Subsurface Investigation Reports are included in Division 31.			
<b>18 Experience and qualifications</b>			
<b>18a</b> Experience and qualification requirements do not appear in the specification sections			
<b>19 Pre-qualifications</b>			
<b>19a</b> There are no mandatory contractor and/or subcontractor pre-qualification requirements or references to certificates, transcripts or license numbers of a trade or subcontractor being included in the bid.			
<b>20 Contracting Issues</b>			
<b>20a</b> Contracting issues do not appear in the specifications.			
<b>20b</b> Division 00 of the NMS is not used.			
<b>21 Quality Issues</b>			
<b>21a</b> There are no specification clauses with square brackets “[ ]” or lines “___” indicating that the document is incomplete or missing information.			

Item	Verified by:	Comments:	Action By:
<b>Drawings:</b>			
<b>1 Title Blocks</b>			
<b>1a</b> The PWGSC title block is used.			
<b>2 Dimensions</b>			
<b>2a</b> Dimensions are provided in metric only.			
<b>3 Trade Names</b>			
<b>3a</b> Trade names are not used.			
<b>4 Specification Notes</b>			
<b>4a</b> There is no specification type notes.			
<b>5 Terminology</b>			
<b>5a</b> The term Departmental Representative is used instead of Engineer, PWGSC, Owner,			

Consultant or Architect.			
<b>5b</b> Notations such as: “verify on site”, “as instructed”, “to match existing”, “example”, “equal to”, “equivalent to” and “to be determined on site by” are not used.			
<b>6 Information to be included</b>			
<b>6a</b> Architectural and Engineering Drawings have been stamped and signed by the design authority.			
<b>6b</b> The project quantity and configuration, dimensions and construction details are included.			
<b>6c</b> References to future work and elements not in contract do not appear or are kept to an absolute minimum and clearly marked.			

---

I confirm that the plans and specifications have been thoroughly reviewed and that the items listed above have been addressed or incorporated. I acknowledge and accept that by signing, I am certifying that all items noted above have been addressed.

Consultant's Representative: \_\_\_\_\_

Firm name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



---

## APPENDIX 'B' - Sample of Addendum

Last updated April 22, 2008

**ADDENDUM No.** \_\_\_\_\_

**Project Number:** \_\_\_\_\_

**The following changes in the bid documents are effective immediately. This addendum will form part of the contract documents**

### DRAWINGS

SPEC NOTE: indicate drawing number and title, then list changes or indicate revision number and date, and re-issue drawing with addendum.

- 1      A1 Architectural
- .1

### SPECIFICATIONS

SPEC NOTE: indicate section number and title.

- 1      Section 01 00 10 - General Instructions

SPEC NOTE: list all changes (i.e. delete, add or change) by article or paragraph

- .1      Delete article (xx) entirely.
  - .2      Refer to paragraph (xx.x) and change ...
- 2      Section 23 05 00 - Common Work Results - Mechanical
- .1      Add new article (x) as follows:

## APPENDIX 'C' - Sample of Index

Last updated April 22, 2008

**Project No:** \_\_\_\_\_

**Index**  
**Page 1 of \_\_\_\_**

---

## DRAWINGS AND SPECIFICATIONS

---

### DRAWINGS:

SPEC NOTE: List all Drawings by number and title.

C-1	Civil
L-1	Landscaping
A-1	Architectural
S-1	Structural
M-1	Mechanical
E-1	Electrical

### SPECIFICATIONS:

SPEC NOTE: List all Divisions, Sections (by number and title) and number of pages.

<u>DIVISION</u>	<u>SECTION</u>	<b>NO. OF PAGES</b>
		<div></div>
DIVISION 01	01 00 10 - General Instructions.....	.....XX
	01 14 25 - Designated Substances Report.....	.....XX
	01 35 30 - Health and Safety.....	.....XX
DIVISION 23	23 xx xx	
DIVISION 26	26 xx xx	

---

## APPENDIX 'D'

### USER MANUAL ON DIRECTORY STRUCTURE AND NAMING CONVENTION STANDARDS FOR CONSTRUCTION TENDER DOCUMENTS ON CD ROM

Issued by:

Real Property Contracting Directorate

PWGSC

**May 2005**

Last Updated: June 3, 2008

Version 1.0

---

## PREFACE

The Government of Canada (GoC) has committed to move towards an electronic environment for the majority of the services it offers. This covers the advertisement and distribution of contract opportunities, including construction solicitations. As a result, it is necessary to obtain a copy of construction drawings and specifications (in PDF format **without** password protection) on one or multiple CD-ROM to facilitate for the GoC the transfer of the construction drawings and specifications electronically to the Government Electronic Tendering System (GETS).

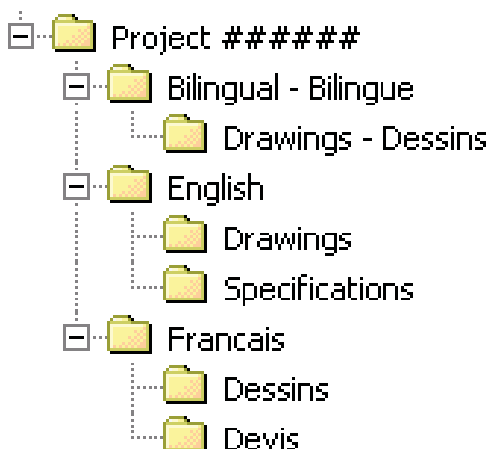
There is therefore a need to adopt a common directory structure and file-naming convention to ensure that the information made available to contractors electronically and in hard (printed) copy is in accordance with the sequence adopted in the real property industries, both for design and construction. This manual defines the standard to be followed by both consultants and print shops at time of formatting and organizing the information, whether drawings and specifications are created by scanning print documents or saved as PDF files from the native software (AutoCAD, NMS Edit, MS-Word, etc...) in which these were created.

It is important to note that the procedure described in this manual is not an indication that consultants are relieved from following the established standards for the production of drawings and specifications. The sole purpose of this manual is to provide a standard for the organization and naming of the electronic files that will be recorded on CD-ROM.

## 1. DIRECTORY STRUCTURE

### 1.1 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Tier Sub-Folders

Each CD-ROM, whether it is for the original solicitation (tender call) or for an amendment (addendum), must have the applicable elements of the following high-level Directory Structure created:



The following important points are to be noted about the Directory Structure:

- The “*Project #####*” folder is considered the 1<sup>st</sup> Tier of the Directory Structure where *#####* represents each digit of the Project Number. The Project Number must always be used to name the 1<sup>st</sup> Tier folder and it is always required. Free text can be added following the Project Number, to include such things as a brief description or the project title;
- The “*Bilingual - Bilingue*”, “*English*” and “*Français*” folders are considered the 2<sup>nd</sup> Tier of the Directory Structure. The folders of the 2<sup>nd</sup> Tier **cannot** be given any other names since GETS uses these names for validation purposes. At least one of the “*Bilingual - Bilingue*”, “*English*” and “*Français*” folders is always required, and these must always have one of the applicable sub-folders of the 3<sup>rd</sup> Tier;
- The “*Drawings - Dessins*”, “*Drawings*”, “*Specifications*”, “*Dessins*” and “*Devis*” folders are considered the 3<sup>rd</sup> Tier of the Directory Structure. The folders of the 3<sup>rd</sup> Tier **cannot** be given any other names since GETS also uses these names for validation purposes. There must be always at least one of the applicable 3<sup>rd</sup> Tier folder in each document.

**IMPORTANT:**

The applicable elements of the Directory Structure (1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Tier folders) are always required and cannot be modified.

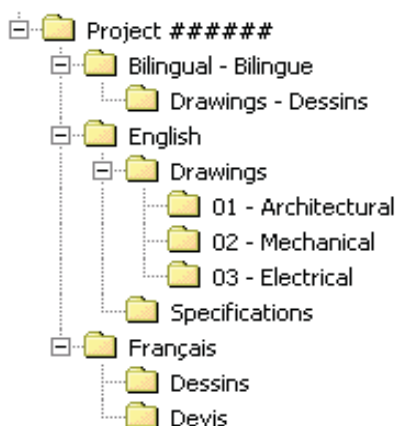
### 1.2 4<sup>th</sup> Tier Sub-Folders for Drawings

The “*Drawings – Dessins*”, “*Drawings*” and “*Dessins*” folders must have 4<sup>th</sup> Tier sub-folders created to reflect the various disciplines of the set of drawings.

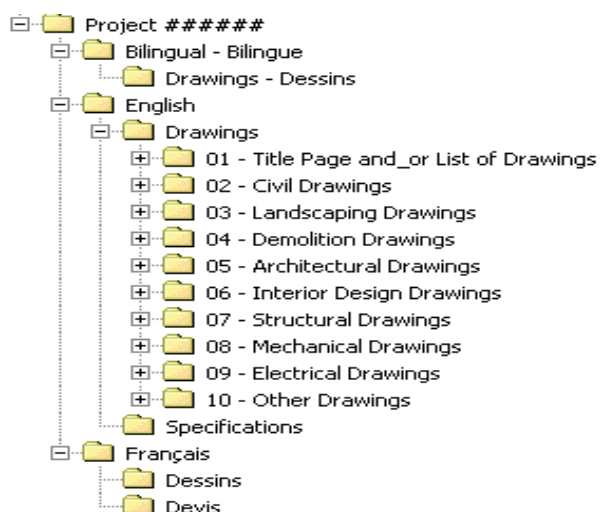
Because the order of appearance of the sub-folders on the screen will also determine the order of printing, it is necessary to start with a number the identification name of the sub-folders in the “Drawings – Dessins”, “Drawings” and “Dessins” folders.

Note: The first sub-folder must be always reserved for the Title Page and/or the List of Drawings unless the first drawing of the set is an actual numbered discipline drawing.

Examples of 4<sup>th</sup> Tier sub-folders for drawings:



or



---

### 1.2.1 Naming Convention

The 4<sup>th</sup> Tier sub-folders for drawings must adhere to the following standard naming convention.

For the “*Drawings*” and “*Dessins*” folders:

## - Y

Where:

## = A two digit number ranging from 01 to 99 (leading zeros must be included)

Y = The title of the folder

Example: 03 – Mechanical

For the “*Drawings - Dessins*” folder:

## - Y - Z

Where:

## = A two digit number ranging from 01 to 99 (leading zeros must be included)

Y = The English title of the folder

Z = The French title of the folder

Example: 04 - Electrical - Électricité

It should be noted that the numbering of the 4<sup>th</sup> Tier sub-folders is for sorting purposes only and is not tied to a specific discipline. For example, “*Architectural*” could be numbered 05 for a project where there is four other disciplines before “*Architectural*” in the set of drawings or 01 in another project where it’s the first discipline appearing in the set.

It is essential to ensure that the order of the drawings on the CD-ROM be exactly the same as in the hard copy set. GETS will sort each drawing for both screen display and printing as per the following rules:

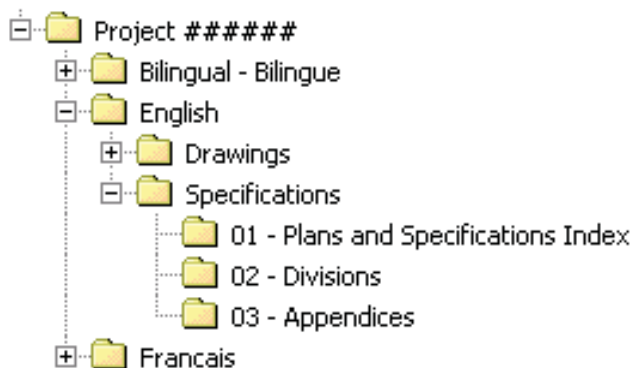
- The alphanumerical sorting is done on an ascending order;
- The alphanumerical order of the sub-folders determines the order of appearance on the screen as well as the order of printing (as an example: all the drawing PDF files in the 01 sub-folder will be printed in alphanumerical order before the drawings in the 02 sub-folder etc...);
- Each drawing PDF file within each sub-folder will also be sorted alphanumerically. This will determine the order of appearance on the screen as well as the order of printing (i.e. Drawing A001 will be printed before Drawing A002, Drawing M02 before Drawing M03, etc...).

### 1.3 4<sup>th</sup> Tier Sub-Folders for Specifications

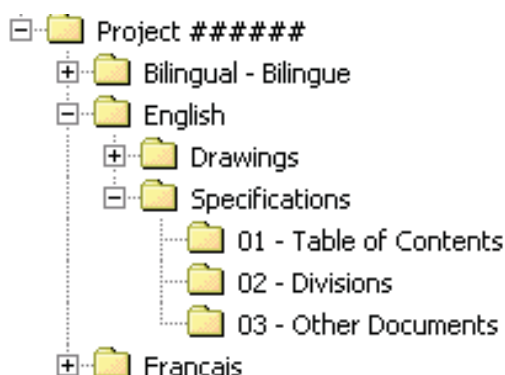
The “*Specifications*” and “*Devis*” folders must have 4<sup>th</sup> Tier sub-folders created to reflect the various elements of the specifications.

Because the order of appearance of the sub-folders on the screen will also determine the order of printing, it is necessary to start with a number the identification name of the sub-folders in the “Specifications” and “Devis” folders.

Examples of 4<sup>th</sup> Tier sub-folders for specifications:



or



### 1.3.1 Naming Convention

The 4<sup>th</sup> Tier sub-folders for specifications must adhere to the following standard naming convention.

For the “Specifications” and “Devis” folders:

## - Y

Where:

## = A two digit number ranging from 01 to 99 (leading zeros must be included)

Y = The title of the folder

**Example: 02 – Divisions**

It should be noted that the numbering of the 4<sup>th</sup> Tier sub-folders is for sorting purposes only and is not tied to an element of the specifications.

It is essential to ensure that the order of the elements of the specifications on the CD-ROM be exactly the same as in the hard copy. GETS will sort each element of the specifications for both

---

screen display and printing as per the following rules:

- The alphanumerical sorting is done on an ascending order;
- The alphanumerical order of the sub-folders determines the order of appearance on the screen as well as the order of printing (as an example: all the specifications PDF files in the 01 sub-folder will be printed, in alphanumerical order before the PDF files in the 02 sub-folder, etc...);
- Each specifications PDF file within each sub-folder will also be sorted alphanumerically. This will determine the order of appearance on the screen as well as the order of printing (i.e. Division 01 will be printed before Division 02, 01 - Appendix A before 02 - Appendix B, etc...).

## 2. NAMING CONVENTION FOR PDF FILES

Each drawing, specifications division or other document that are part of the tender documents must be converted in PDF format (without password protection) in accordance with the following standard naming convention and each PDF file must be located in the appropriate sub-folder of the Directory Structure.

### 2.1 Drawings

Each drawing must be a **separate single page** PDF file. The naming convention of each drawing must be:

X### - Y

Where:

X = The letter or letters from the drawing title block ("A" for Architectural or "ID" for Interior Design for example) associated with the discipline

### = The drawing number from the drawing title block (one to three digits)

Y = **The drawing name from the drawing title block (for bilingual drawings, the name in both English and French is to appear)**

Example: A001 - First Floor Details

Each drawing that will be located in the appropriate discipline 4<sup>th</sup> Tier sub-folders must be named with the same letter ("A" for Architectural Drawings for example) and be numbered. The drawing number used to name the PDF file must match as much as possible the drawing number of the actual drawing (the exception being when leading zeros are required).

The following important points about drawings are to be noted:

- The drawing PDF files within each sub-folder are sorted alphanumerically for both displaying and printing. If there are more than 9 drawings in a particular discipline the numbering must use at least two numerical digits (i.e. A01 instead of A1) in order to avoid displaying drawing A10 between A1 and A2. The same rule applies when there are more than 99 drawings per discipline i.e. three digits instead of two must be used for the numbering (for example M003 instead of M03);



- If drawing PDF files are included in the “*Bilingual - Bilingue*” folder, these cannot be included as well in the “*English*” and/or “*Français*” folders;
- If drawings not associated with a particular discipline are not numbered (Title Page or List of Drawings for example), these will be sorted alphabetically. While this does not represent a problem if there is only one drawing in the sub-folder, it could disrupt the order when there are two or more drawings. If the alphabetical order of the drawings name does not represent the order on the hard copy set, the drawings are to be named as per the following standard convention when converted in PDF format to ensure proper display and printing order.

## - Y

Where:

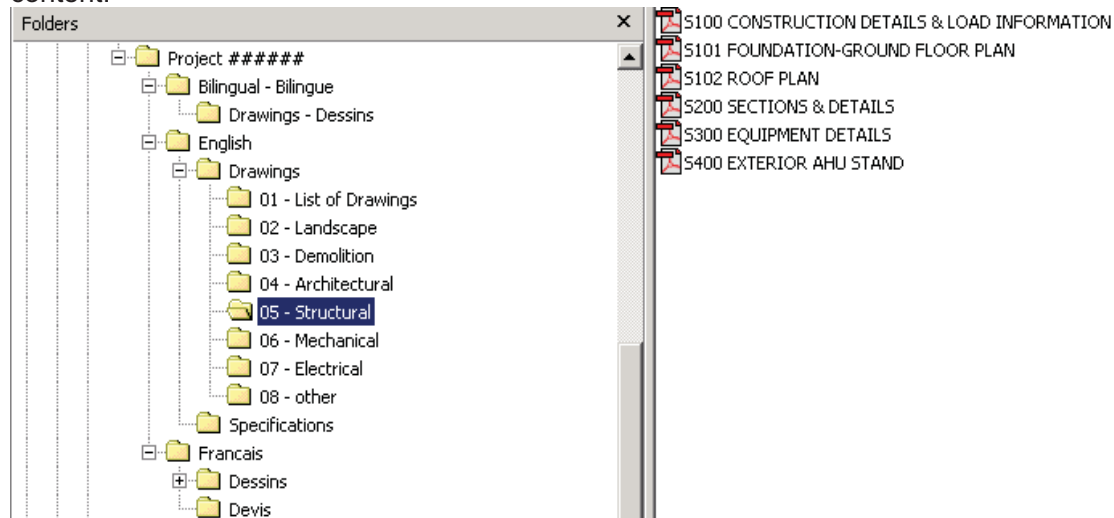
## = A two digit number ranging from 01 to 99 (leading zeros must be included)

Y = The name of the drawing

Example: 01 - Title Page  
02 - List of Drawings

If numbers are not used in the PDF files name, “*List of Drawings*” will be displayed before “*Title Page*” because “L” comes before “T” in the alphabet.

Example of a 4<sup>th</sup> Tier Drawings sub-folder's content:



## 2.2. Specifications

Each Specifications Division must be a separate PDF file and all pages contained in each PDF file must have the same physical size (height, width). The Plans and Specifications Index must

also be a separate PDF file. If there are other documents that are part of the Specifications (e.g. Appendix or other) these are to be separate PDF files as well.

### 2.2.1 Documents other than Specifications Divisions

Because PDF files within the Specifications sub-folders are sorted alphanumerically (in ascending order) for both on screen display and printing order, all files that appear in folders other than the “*Divisions*” sub-folder must be named using a number:

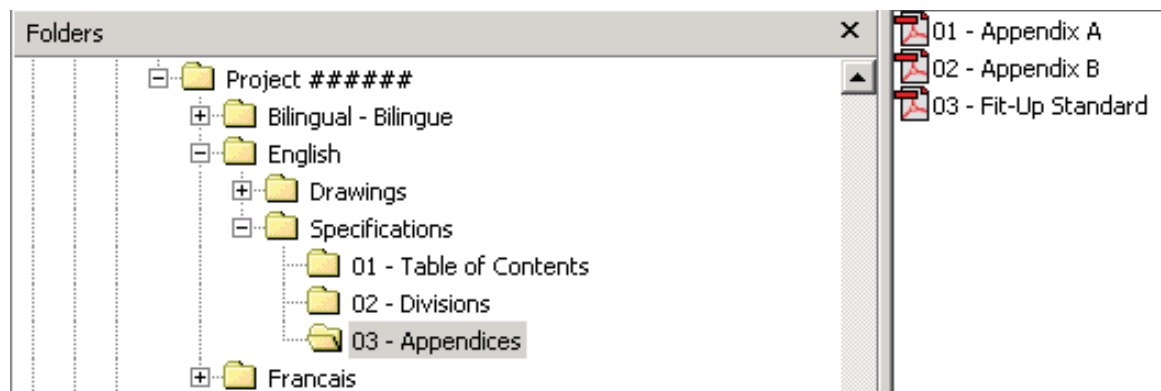
## - Y

Where:

## = Two digit number ranging from 01 to 99 with leading zeros required  
Y = Name of the document

Example: 01 - Plans and Specifications Index

Example of a sub-folder content (sub-folder other than “*Divisions*”):



### 2.2.2 Specifications Divisions

The Specifications Divisions must be named as follows:

Division ## - Y

Where:

Division ## = The actual word “*Division*” followed by a space and a two digit number ranging from 01 to 99 (with leading zeros required)

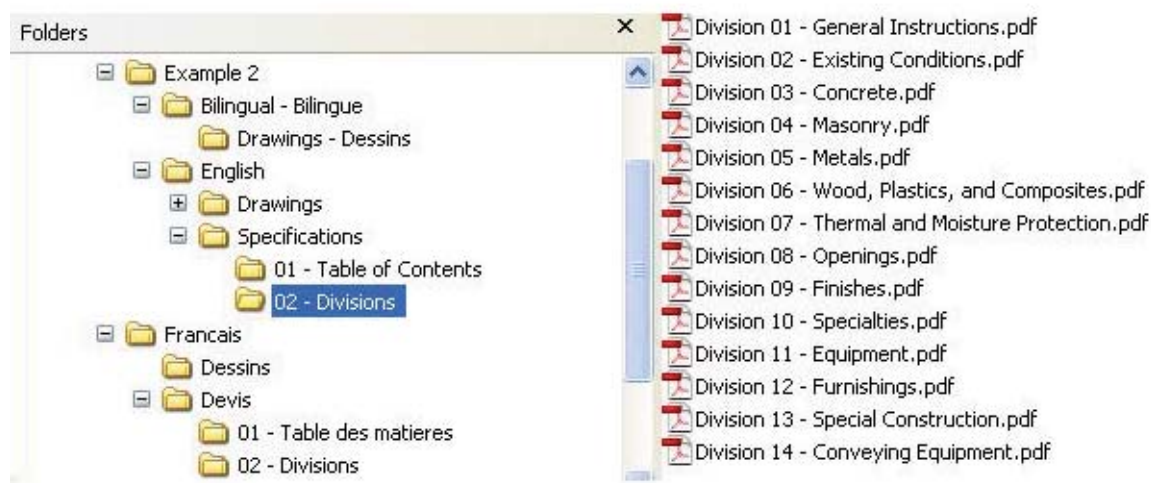
Y = Name of the Specifications Division as per **CSC/CSI MasterFormat™**

Example: Division 05 – Metals

The following important point about specifications is to be noted:

- The Numbering of the Divisions **cannot** be altered from **CSC/CSI MasterFormat™** even if some Divisions are not used in a given project. For example, Division 05 will always remain Division 05 even if Division 04 is not used for a given project.

Example of a “Divisions” sub-folder content:



### 3. CD-ROM LABEL

Each CD-ROM is to be labeled with the following information:

Project *Number* / *Numéro de projet*

Project *Title* / *Titre du projet*

Documents for Tender / Documents pour appel d'offres

CD *X* of/de *X*

Example:

Project 123456 / Projet 123456

Repair Alexandra Bridge / Réparation du pont Alexandra

---

Documents for Tender / Documents pour appel d'offres  
CD 1 of/de 1

---

## **APPENDIX 'E'**

### **BASIC REFERENCE GUIDE ON CONVERTING CONSTRUCTION DRAWINGS INTO PORTABLE DOCUMENT FORMAT (PDF)**

**Issued by:**

**Real Property Contracting Directorate**

**PWGSC**

May 2005 Last Updated: May 3, 2005

Version 1.0

---

## **PREFACE**

Portable Document Format (PDF) is the standard format for documents that are posted on the Government Electronic Tendering System (GETS). There is therefore a need to obtain from architectural and engineering consultants an electronic copy of drawings and specifications in PDF for tendering Government of Canada (GoC) construction projects.

In order to have the highest quality in term of resolution and printing, consultants should to the greatest extent possible have the PDF drawing and specification files derived from the native software in which they were created. Scanning is permissible but only in special circumstances, for example when there is no electronic version of a drawing being included in a construction tender package.

The purpose of this document is to provide basic information on the conversion of Computer Aided Design and Drafting (CADD) drawings in PDF. Creating a PDF file from a CADD drawing is a relatively simple process once all the necessary configurations and settings are in place. It actually should not take any longer than it would take to create a plot file or to send a drawing to a printer. The information in this guide is not intended to cover all technical aspects of the conversion, which can be done using various methods, but rather to highlight important points about the process and file settings. The conversion of specifications is not covered in this basic reference guide since it does not require any special configuration or setting.

The information provided in this basic reference guide is not an indication that consultants are relieved from following the established standards for the production of drawings and specifications. The sole purpose of this guide is to provide basic information on the PDF conversion process bearing in mind that additional detailed technical information is available from the various software manufacturers.

## **1. PRINTER DRIVERS**

Adobe Acrobat provides two different printer drivers that are able to convert CADD drawing into PDF format, Acrobat PDF Writer and Acrobat Distiller. Before creating a PDF file from a CADD drawing, a choice must be made as to which one will be used.

---

Acrobat PDF Writer is a non-PostScript printer driver that works best with documents that don't contain complex graphics

Acrobat Distiller is a PostScript printer driver that works best with documents that contain PostScript fills, Encapsulated PostScript (EPS) graphics, or other complex elements.

It is recommended that Acrobat Distiller be used to create PDF file of architectural and engineering drawings due to their size and complex graphical nature.

## **2. PRINTER CONFIGURATION**

Before converting a CADD drawing to PDF, an Acrobat printer configuration file for the PDF paper size needs to be created. This function can be done in the CADD software rather than using a custom paper size defined for the Acrobat distiller feature. The recommended method is to add a PostScript Adobe plotter in the CADD software and making the necessary setting in terms of media source and size, scale and orientation. The configuration can then be re-used to simplify the conversion process for future files that use the same page size.

As an alternative, although not recommended, a custom-defined size can be created in Acrobat Distiller in the *properties* menu.

## **3. CREATING PDF FILES**

Once the printer configuration has been done in the CADD software, open up Acrobat Distiller and make the necessary settings in the *preferences* and *job options* sub-menu. Ensure that the page size match the sheet size selected in the CADD software to create the file. Particular settings can be saved under different names for future use.

With the Acrobat Distiller application open, ensure the required sheet size is displayed in the *job options* window. Then it is simply a matter of bringing the CADD file into the Acrobat Distiller creation box.

A progress bar will show during the conversion and the newly converted PDF file should open up and be displayed for verification.

## **4. PDF FILES SETTINGS**

### **4.1 Security**

Adobe Acrobat contains security features that can be used to secure the files by restricting any changes to the files. However, since the files will be posted on GETS and will be used for printing copies, the files **must not** be password protected and **must** allow printing.

### **4.2 Drawing Orientation**

The final PDF drawing files must be displayed on the screen in the same direction that the users are intended to view them. This can be achieved by adjusting the setup of the plotter. If the drawing is not oriented properly after the conversion, it can be rotated manually within Adobe Acrobat.

### **4.3 Font Type**

In order to avoid any problems during the conversion and to minimize the potential for font display errors, the fonts used for the production of construction drawings must be *PostScript or True Type fonts*.

---

#### **4.4 Resolution**

Since the PDF files will be used for printing, it is important that a proper resolution be selected. It is recommended to select 600 dots per inch (dpi).

#### **4.5 Scale**

When choosing the Plot scale in Adobe, it is important to choose the 1:1 scale to ensure the integrity of the scale from which the drawings were created in the CADD software.

#### **5. SCANNING**

Scanning is not recommended and should be done only when the drawing is not available electronically. When scanning a drawing, it is important that it be done in real size (scale 1:1) to ensure that the scale remains intact in subsequent printing. It is recommended that each scanned drawing be opened and verified to ensure that the resolution, scale and border are of an acceptable quality.

#### **6. FINAL CHECKLIST**

When the drawing file has gone through the PDF conversion, it is recommended to open it and verify the following:

- That the sheet size displayed is what was intended to be created (the size is viewable in the lower left corner of the drawing).
- That the orientation of the sheet is correct.
- That the line types, line weights and fonts match the CADD drawing.
- That the PDF file is in black and white.
- That each drawing is a single PDF file.
- That the PDF file is not password protected and printable.

If all the items are verified, the PDF file is useable

#### **7. ADDITIONAL INFORMATION**

For more information about the creation of PostScript and EPS files please refer to the User's Guide of the CADD software being used to produce the drawings. For more information about creating PDF file please refer to the Acrobat Distiller User's Guide and/or visit the Adobe Web site at [www.adobe.com](http://www.adobe.com).