



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

[solicitation-demandedesoumission@cnsccsn.gc.ca](mailto:solicitation-demandedesoumission@cnsccsn.gc.ca)

**REQUEST FOR PROPOSAL  
DEMANDE DE PROPOSITION**

**Proposal To:** Canadian Nuclear Safety Commission

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

**Proposition aux:** Commission canadienne de sûreté nucléaire

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

**Instructions :** See Herein

**Instructions:** Voir aux présentes

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

**Issuing Office – Bureau de distribution**

Canadian Nuclear Safety Commission – Commission canadienne de sûreté nucléaire

<b>Title – Sujet</b>	
The Critical Review of Design Rules, Operating Experience and Inspection Practices used in the Helical Coil Steam Generator and Leak Detection Systems in Various Types of SMRs	
<b>Solicitation No. – N° de l'invitation</b>	<b>Date</b>
5000067379	March 24, 2023
<b>Client Reference No. – N° référence du client</b>	
5000067379	
<b>Solicitation Closes – L'invitation prend fin</b>	<b>Time Zone - Fuseau horaire</b>
May 2, 2023 at 11:00 a.m.	Eastern Daylight Time (EDT)
<b>Address Inquiries to : - Adresser toutes questions à:</b>	
Daniel Tilsley Contracting Specialist Canadian Nuclear Safety Commission <a href="mailto:solicitation-demandedesoumission@cnsccsn.gc.ca">solicitation-demandedesoumission@cnsccsn.gc.ca</a>	
<b>Destination of Services: Destination des services :</b>	
Canadian Nuclear Safety Commission 280 Slater Street Ottawa, ON K1P 5S9	

<b>Delivery required - Livraison exigée</b>	<b>Delivered Offered – Livraison proposée</b>
<b>Vendor/firm Name and address Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. – N° de téléphone</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/firm (type or print)- Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>



## Table of Contents

PART 1, GENERAL INFORMATION .....	4
1.1 Introduction.....	4
1.2 Summary .....	4
1.3 Debriefings .....	5
PART 2, BIDDER INSTRUCTIONS .....	6
2.1 Standard Instructions, Clauses and Conditions .....	6
2.2 Submission of Bids .....	7
2.3 Enquiries - Bid Solicitation .....	7
2.4 Applicable Laws.....	7
2.5 Improvement of Requirement During Solicitation Period .....	7
2.6 Bid Challenge and Recourse Mechanisms .....	8
PART 3, BID PREPARATION INSTRUCTIONS .....	9
3.1 Bid Preparation Instructions.....	9
PART 4, EVALUATION PROCEDURES AND BASIS OF SELECTION .....	10
4.1 Evaluation Procedures.....	10
4.2 Basis of Selection – Highest Combined Rating of Technical Merit and Price .....	10
ATTACHMENT 1 TO PART 4, TECHNICAL CRITERIA .....	12
PART 5, CERTIFICATIONS AND ADDITIONAL INFORMATION.....	16
5.1 Certifications Required with the Bid .....	16
5.2 Certifications Precedent to Contract Award and Additional Information .....	16
PART 6, RESULTING CONTRACT CLAUSES.....	19
6.1 Statement of Work.....	19
6.2 Standard Clauses and Conditions .....	19
6.3 Security Requirements .....	20
6.4 Term of Contract.....	20
6.5 Authorities.....	20
6.6 Proactive Disclosure of Contracts with Former Public Servants .....	21
6.7 Payment .....	21
6.8 Invoicing Instructions .....	22
6.9 Certifications and Additional Information .....	22
6.10 Applicable Laws.....	22
6.11 Priority of Documents .....	22
6.12 Dispute Resolution .....	22



ANNEX A, STATEMENT OF WORK.....23

ANNEX B, BASIS OF PAYMENT.....29

ANNEX C, SECURITY REQUIREMENTS CHECK LIST .....30



It is understood that the procurement of services for the Canadian Nuclear Safety Commission (CNSC) falls under the provisions of the *Nuclear Safety and Control Act, S.C. 1997, c. 9*.

## PART 1, GENERAL INFORMATION

### 1.1 Introduction

The bid solicitation is divided into six parts plus attachment and annexes, as follows:

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

The Technical Criteria are included as an attachment.

The Annexes include the Statement of Work and the Basis of Payment.

### 1.2 Summary

The Canadian Nuclear Safety Commission (CNSC) seeks to establish a contract to perform a critical review of design rules, operating experience and inspection practices used in the helical coil steam generator and leak detection systems in various types of small modular reactors (SMR), as defined in Annex A, Statement of Work.

There is no security requirement associated with the requirement.

The requirement is subject to the provisions of the Canada-Honduras Free Trade Agreement, Canada-United Kingdom Trade Continuity Agreement, World Trade Organization - Agreement on Government Procurement, Canada-Chile Free Trade Agreement, Canada-Peru Free Trade Agreement, Canada-Colombia Free Trade Agreement, Canada-Panama Free Trade Agreement, Comprehensive and Progressive Agreement for Trans-Pacific Partnership, Canadian Free Trade Agreement, Canada-Ukraine Free Trade Agreement, Canada-Korea Free Trade Agreement, and Comprehensive Economic Free Trade Agreement if it is in force.

The resulting contract will not include deliveries of services and goods within locations within Yukon, Northwest Territories, Nunavut, Quebec, or Labrador that are subject to Comprehensive Land Claims Agreements (CLCAs). Any requirements for deliveries of services and goods within locations within Yukon, Northwest Territories, Nunavut, Quebec, or Labrador that are subject to CLCAs will have to be treated as a separate procurement not forming part of the bid solicitation.



### 1.3 Debriefings

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



## PART 2, BIDDER INSTRUCTIONS

### 2.1 Standard Instructions, Clauses and Conditions

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

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

The 2003 (2022-03-29) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation. The following changes are made:

- a) Replace references to “Canada” and “Public Works and Government Services Canada” (or “PWGSC”) with “Canadian Nuclear Safety Commission” (CNSC).

- b) Amend subsection 4 of section 5, Submission of Bids, as follows:

Delete: 60 days  
Insert: 180 days

- c) Delete subsection 1a and 1b of section 12, Rejection of Bid, and replace with:

12.1.a. Bidders are advised that the CNSC reserves the right to consider, as part of its evaluation, any unsatisfactory performance in a previous or current project performed by the bidder, proposed subcontractor or individual proposed resource either on contract or under previous CNSC employment.

12.1.b. Additionally, bidders shall take note that once awarded, the performance of the contractor during and upon completion of the work shall be evaluated by the CNSC. The evaluation may include all or some of the following criteria: quality of deliverables, timeliness of completion of the work, project management, contract management, and cost. Should the contractor's performance be considered unsatisfactory, the contractor may be declared ineligible for future CNSC contracts.

- d) Amend section 18, Conflict of Interest – Unfair Advantage, as follows:

18.4 The CNSC reserves the right to review real, potential or apparent conflict(s) of interest. Bidders must disclose any of their activities related to the subject of the statement of work that are licensed by the CNSC. Bidders are also required to disclose any involvement in previous, current or planned work undertaken for a CNSC licensee that is or may be related to the subject of the statement of work. Such activities or work are not in themselves grounds for rejection; however, proposals to review previous work contributed by the bidder on behalf of a CNSC licensee, and proposals to make recommendations affecting the CNSC licensing decisions in which the bidder has a financial or non financial interest may be rejected.



- 18.5 Bidders must address in detail, in their submitted bids, any real, potential or apparent conflict(s) of interest they may encounter while performing the work, and must substantiate which measures they are taking to prevent the conflict(s). If in doubt about a particular situation, bidders may contact the Contracting Authority before bid closing. The CNSC reserves the right to reject any bids in which a real, potential or apparent conflict of interest exists.

## 2.2 Submission of Bids

Bids must be submitted only to the Canadian Nuclear Safety Commission by the date, time and location indicated below:

Date: May 2, 2023

Time: 11:00 a.m. Eastern Daylight Time (EDT)

Location: [solicitation-demandedesoumission@cnsccsn.gc.ca](mailto:solicitation-demandedesoumission@cnsccsn.gc.ca)

Due to the nature of this solicitation, bids submitted by facsimile or physical mail (courier, Canada Post, etc.) will not be accepted. Only bids submitted by electronic mail (email) will be accepted.

## 2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

## 2.4 Applicable Laws

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

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

## 2.5 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given



consideration provided they are submitted to the Contracting Authority at least thirty (30) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

## 2.6 Bid Challenge and Recourse Mechanisms

Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.

Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's Buy and Sell website, under the heading "Bid Challenge and Recourse Mechanisms" contains information on potential complaint bodies such as:

- a) Office of the Procurement Ombudsman (OPO); and
- b) Canadian International Trade Tribunal (CITT)

Suppliers should note that there are strict deadlines for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.





## PART 3, BID PREPARATION INSTRUCTIONS

### 3.1 Bid Preparation Instructions

The CNSC requests that the Bidder submit its bid by electronic mail (email). The CNSC's email system has a limit of fifteen (15) MB per individual email.

The bid must be gathered per section and separated as follows:

- Section I: Technical Bid
- Section II: Financial Bid
- Section III: Certifications

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

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

- use letter size dimensions;
- use a numbering system that corresponds to the bid solicitation;
- include a table of contents at the beginning of every section; and
- submitted in Portable Document Format (.pdf) or Microsoft Office Word (.docx).

#### **Section I: Technical Bid**

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

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

#### **Section II: Financial Bid**

Bidders must submit a firm all inclusive price for the work detailed in Annex A, Statement of Work.

Bidders must submit their financial bid in accordance with Part 4, Evaluation Procedures and Annex B, Basis of Payment of Part 6, Resulting Contract Clauses.

#### **Section III: Certifications**

Bidders must submit the certifications and additional information required under Part 5.



## PART 4, EVALUATION PROCEDURES AND BASIS OF SELECTION

### 4.1 Evaluation Procedures

Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria:

a) Technical Evaluation

Point Rated Technical Criteria: Refer to Attachment 1 to Part 4, Technical Criteria. Bids which fail to obtain the required minimum number of points specified will be declared non-responsive. Each point rated technical criterion should be addressed separately.

b) Financial Evaluation

- i. Bidders should complete the pricing schedule found at Annex B, Basis of Payment, and include it in its financial bid once completed. At a minimum, the Bidder must respond to the pricing schedule by including in its financial bid the quoted all-inclusive firm price per deliverable (in Cdn \$) for each of the requirements identified.
- ii. The Bidders financial proposal will be the sum of all-inclusive firm price deliverables (Total of Task #1, #2 and #3).
- iii. The price of the financial bid will be evaluated in Canadian dollars, with Applicable taxes excluded and Customs duties included.

An evaluation team composed of representatives of Canada will evaluate the bids.

### 4.2 Basis of Selection – Highest Combined Rating of Technical Merit and Price

- a) To be declared responsive, a bid must:
  - i. comply with all the requirements of the bid solicitation; and
  - ii. obtain the required minimum of 70 points overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 100 points.
- b) Bids not meeting i. and ii. will be declared non-responsive.
- c) The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 70% for the technical merit and 30% for the price.
- d) To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 70%.
- e) To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30%.
- f) For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.



- g) Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.
- h) The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 70/30 ratio of technical merit and price, respectively. The total available points equals 100 and the lowest evaluated price is \$85,000 (85).

Example: Basis of Selection - Highest Combined Rating Technical Merit (70%) and Price (30%)

		Bidder 1	Bidder 2	Bidder 3
<b>Overall Technical Score</b>		85/100	70/100	75/100
<b>Bid Evaluated Price</b>		\$95,000.00	\$90,000.00	\$85,000.00
<b>Calculations</b>	<b>Technical Merit Score</b>	$85/100 \times 70 = 59.50$	$70/100 \times 70 = 49.00$	$75/100 \times 70 = 52.50$
	<b>Pricing Score</b>	$85/95 \times 30 = 26.84$	$85/90 \times 30 = 28.33$	$85/85 \times 30 = 30.00$
<b>Combined Rating</b>		86.34	77.33	82.50
<b>Overall Rating</b>		1st	3rd	2nd



## ATTACHMENT 1 TO PART 4, TECHNICAL CRITERIA

Point-Rated Criteria	Scoring	Bid Preparation Instructions
<p><b>R1. Approach to Work</b></p> <p>The Bidder should propose an approach for conducting the work outlined in Annex A, Statement of Work.</p>	<p><b><u>20 Points Maximum</u></b></p> <p><b>1. Schedule</b></p> <p><u>Zero (0) Points</u> Project schedule is not provided, or the details provided are not relevant and do not meet the requirements outlined in the Statement of Work.</p> <p><u>Four (4) Points</u> Project schedule is provided with some, but not all, of the elements (1a to 1c) required and the schedule does not include all the tasks and deliverables outlined in the Statement of Work, or the provided schedule seems unrealistic.</p> <p><u>Eight (8) Points</u> The schedule includes all the elements required and meets all the tasks and deliverables outlined in the Statement of Work. The schedule is achievable and realistic.</p> <p><b>2. Resources</b></p> <p><u>Zero (0) Points</u> Proposed Team members are not provided.</p> <p><u>Four (4) Points</u> Proposed Team Members are identified; however, their roles are not well defined.</p>	<p>The following items should be included in the Bidder's response:</p> <p>1. Schedule:</p> <p>Response should include the following elements:</p> <ul style="list-style-type: none"> <li>a) Dependencies of each task and deliverable, where applicable.</li> <li>b) Associated start and end dates for each task and deliverable.</li> <li>c) A contingency for any unplanned lags or delays</li> </ul> <p>2. Resources:</p> <p>Response should include the following elements:</p> <ul style="list-style-type: none"> <li>a) Team Leader</li> <li>b) Key personnel that will carry out the tasks and their roles</li> </ul> <p>3. Risks:</p> <p>Response should identify risks that have the potential to impact completion of the tasks and deliverables outlined in the Statement of Work, and how these risks will be mitigated and accounted for.</p>



	<p><u>Six (6) Points</u> Proposed Team Members are identified, and their roles are explicitly outlined, including the team leader and key personnel.</p> <p><b>3. Risks</b></p> <p><u>Zero (0) Points</u> Risks are not provided, or the provided risks are not relevant to the Statement of Work, or the proposed measures are deemed inappropriate or insufficient to mitigate the risks.</p> <p><u>Two (2) Points</u> Risks are provided and are applicable to the Statement of Work, and the proposed measures for risk mitigation are deemed appropriate in mitigating the risks.</p> <p><u>Six (6) Points</u> The Risks identified are appropriate, applicable, and have strong, relevant, and practicable mitigation protocols.</p>	<p>The following risks should be included in the response:</p> <ul style="list-style-type: none"><li>• Resources are no longer available to complete the work;</li><li>• Competing priorities;</li><li>• Unforeseen events/circumstances (e.g. telecommunication outages)</li></ul> <p><i>Submission: Project Schedule, list of the proposed team members, potential risks that may impact completion of tasks and deliverables outlined in the Statement of Work</i></p>
--	--	---



<p><b>R2. Team Leader Experience</b></p> <p>The Bidder should demonstrate that the proposed Team Leader has experience within the last seven (7) years, as of date of bid closing, conducting research and development in areas of steam generators and advanced nuclear reactor systems.</p>	<p><b><u>40 Points Maximum</u></b></p> <p>10 points per project submitted</p> <p><u>Zero (0) Points</u> One or more of the elements (a to f) were not addressed in the project description or the project is not relevant to the criteria.</p> <p><u>Ten (10) Points</u> All five elements (a to f) are addressed in the project description and the project is relevant to the criteria.</p>	<p>The Bidder must provide detailed information that describes, explains, or illustrates through examples, the specific tasks performed by the proposed Team Leader that clearly demonstrate competence and compliance with the required experience related to nuclear steam generators and/or advanced nuclear power generation systems including small and micro modular nuclear reactors.</p> <p>The following elements must be provided for each project description:</p> <ul style="list-style-type: none"><li>a) Project title;</li><li>b) Client/organization name (including contact name and email address);</li><li>c) Start and end date;</li><li>d) scope and objective of the project;</li><li>e) a description of the approach and methodology developed/applied to complete the work; and</li><li>f) results and outcomes of the project (e.g. were tasks/deliverables accomplished, were the issues resolved, were the objectives achieved, were there any lessons learned from the project, was the client/organization satisfied with the results?).</li></ul> <p><i>Submission: Maximum four (4) project descriptions for the proposed Team Leader</i></p>
---	---	---



<p><b>R3. Steam Generators and Nuclear Power Systems Experience</b></p> <p>The Bidder should demonstrate that at least one (1) participant from the project team has relevant experience in one or more areas of design, manufacturing, inspection, operation and/or maintenance of steam generators and advanced nuclear reactor systems to provide greater insights on project tasks.</p>	<p><b><u>40 Points Maximum</u></b></p> <p>20 points per project submitted</p> <p><u>Zero (0) Points</u> One or more of the elements (a to f) were not addressed in the project description or the project is not relevant to the criteria.</p> <p><u>Twenty (20) Points</u> All five elements (a to f) are addressed in the project description and the project is relevant to the criteria.</p>	<p>The Bidder must provide detailed information that describes, explains, or illustrates through examples the specific work and tasks performed by the proposed resource, specific to the identified project that clearly demonstrates how the resource meets and complies with the required experience in one or more technical areas of design, codes and standards, manufacturing, inspection, operation, maintenance and/or regulation of steam generators and advanced nuclear reactor systems to contribute to achieving the project end results.</p> <p>The following elements must be provided for each project description:</p> <ul style="list-style-type: none"> <li>a) Project title;</li> <li>b) Client/organization name (including contact name and email address);</li> <li>c) Start and end date;</li> <li>d) scope and objective of the project;</li> <li>e) a description of the approach and methodology developed/applied to complete the work; and</li> <li>f) results and outcomes of the project (e.g. were tasks/deliverables accomplished, were the issues resolved, were the objectives achieved, were there any lessons learned from the project, was the client/organization satisfied with the results?).</li> </ul> <p><i>Submission: Two (2) project description for the proposed resource</i></p>
<p><b>Total Available Points</b></p>	<p><b>100</b></p>	
<p><b>Minimum Pass Mark (70%)</b></p>	<p><b>70</b></p>	

## PART 5, CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

### 5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

#### 5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, if applicable, the Integrity declaration form available on the Forms for the Integrity Regime website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

### 5.2 Certifications Precedent to Contract Award and Additional Information

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

#### 5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the Ineligibility and Suspension Policy (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

#### 5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the Employment and Social Development Canada (ESDC) - Labour's website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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





### 5.2.3 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the Bidder may propose a substitute with similar qualifications and experience. The Bidder 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 Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability. Failure to comply with the request may result in the bid being declared non-responsive.

### 5.2.4 Education and Experience

The Bidder certifies that all the information provided in the résumés and supporting material submitted with its bid, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Bidder to be true and accurate. Furthermore, the Bidder warrants that every individual proposed by the Bidder for the requirement is capable of performing the Work described in the resulting contract.

### 5.2.5 Former Public Servant - Competitive Bid

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 awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

#### 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 Bidder a FPS in receipt of a pension?

Yes ( ) No ( )

If so, the Bidder must provide the following information, for all FPSs 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, Bidders agree that the successful Bidder'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: 2019-01 and the Guidelines on the Proactive Disclosure of Contracts.

#### Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive?

Yes ( ) No ( )

If so, the Bidder 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.



## PART 6, RESULTING CONTRACT CLAUSES

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

It is understood that the procurement of services for the Canadian Nuclear Safety Commission (CNSC) falls under the provisions of the *Nuclear Safety and Control Act*, S.C. 1997, c. 9.

### 6.1 Statement of Work

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

### 6.2 Standard Clauses and Conditions

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

Wherever “Public Works and Government Services Canada” or “Canada” appears in any of the standard clauses or the general or supplemental general conditions, replace with “Canadian Nuclear Safety Commission” (or “CNSC”).

#### 6.2.1 General Conditions

2035 (2022-12-01), General Conditions - Higher Complexity - Services, apply to and form part of the Contract. The following change is made:

- a) Replace section 34 with the following:
  - i. The contractor acknowledges that individuals who are subject to the provisions of the Conflict of Interest Act (S.C. 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 Sector, the Treasury Board Policy on Conflict of Interest and Post- Employment, the CNSC Values and Ethics Code, the CNSC Conflict of Interest and Post-Employment Policy, the CNSC Directive on Reporting and Managing Financial Conflicts of Interest and/or all other codes of conduct applicable within specific federal organizations cannot derive any direct benefit resulting from the contract.
  - ii. Contractors, subcontractors, or any of their respective employees working full-time on CNSC premises must comply with the Values and Ethics Code for the Public Sector, the Treasury Board Policy on Conflict of Interest and Post-Employment, the CNSC Values and Ethics Code, the CNSC Conflict of Interest and Post-Employment Policy and the CNSC Directive on Reporting and Managing Financial Conflicts of Interest.
  - iii. Post-employment procedures apply to individuals who have left the public sector.
  - iv. The CNSC Values and Ethics Code, CNSC Conflict of Interest and Post-Employment Policy and the CNSC Directive on Reporting and Managing Financial Conflicts of Interest can be found at <http://www.nuclearsafety.gc.ca/eng/about-us/values-and-ethics/index.cfm>



## 6.3 Security Requirements

There is no security requirement applicable to the Contract.

- a) The Contractor and/or its personnel MUST NOT have access to PROTECTED and/or CLASSIFIED information or assets.
- b) The Contractor and/or its personnel MUST NOT have unescorted access to Canadian Nuclear Safety Commission facilities and/or restricted access areas.
- c) The Contractor must comply with the provisions of the Security Requirement Check List attached to this Contract as Annex C.

## 6.4 Term of Contract

### 6.4.1 Period of the Contract

The period of the Contract is from \_\_\_\_\_ to \_\_\_\_\_ *To be inserted at Contract award* inclusive.

## 6.5 Authorities

### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

*To be inserted at Contract award*

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

### 6.5.2 Project Authority

The Project Authority for the Contract is:

*To be inserted at Contract award*

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

### 6.5.3 Technical Authority

The Technical Authority for the Contract is:

*To be inserted at Contract award*

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to



authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

#### 6.5.4 Contractor's Representative

The Contractor's Representative for the Contract is:

*To be inserted at Contract award*

## 6.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2019-01 of the Treasury Board Secretariat of Canada.

## 6.7 Payment

### 6.7.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm all inclusive price per deliverable, as specified in Annex B.

### 6.7.2 Multiple Payments

Canada will pay the Contractor upon completion and delivery of deliverables in accordance with the payment provisions of the Contract if:

- a) an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b) all such documents have been verified by Canada;
- c) the Work delivered has been accepted by Canada.

### 6.7.3 T1204 - Direct Request by Customer Department

Pursuant to paragraph 221 (1)(d) of the Income Tax Act, R.S. 1985, c. 1 (5th Supp.), payments made by departments and agencies to contractors under applicable services contracts (including contracts involving a mix of goods and services) must be reported on a T1204 Government Service Contract Payments slip.

To enable departments and agencies to comply with this requirement, the Contractor must provide Canada, upon request, its business number or Social Insurance Number, as applicable. (These requests may take the form of a general call-letter to contractors, in writing or by telephone).

### 6.7.4 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using Direct Deposit.



## 6.8 Invoicing Instructions

- a) Invoices can be emailed to [finance@cnsccsn.gc.ca](mailto:finance@cnsccsn.gc.ca).
- b) The Contractor shall include the contract number and appropriate Applicable Taxes registration number on all invoices pertaining to the contract.
- c) The last and final invoice under the contract shall be clearly marked “final invoice”.

## 6.9 Certifications and Additional Information

### 6.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

## 6.10 Applicable Laws

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

## 6.11 Priority of Documents

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

- a) the Articles of Agreement;
- b) 2035 (2022-12-01), General Conditions - Higher Complexity - Services;
- c) Annex A, Statement of Work;
- d) Annex B, Basis of Payment;
- e) Annex C, Security Requirements Check List
- f) the Contractor's bid dated *To be inserted at Contract award*.

## 6.12 Dispute Resolution

- a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading “Dispute Resolution”.



## ANNEX A, STATEMENT OF WORK

### 1.0 TITLE

The Critical Review of Design Rules, Operating Experience and Inspection Practices used in the Helical Coil Steam Generator and Leak Detection Systems in Various Types of SMRs

### 2.0 OBJECTIVE OF THE CONTRACT

The Innovation and Research Division (IRD) of the Canadian Nuclear Safety Commission (CNSC) has a requirement for a service provider to review design rules, operating experience, degradation mechanisms and inspection practices used in Steam Generators and Heat Exchangers with helical tubing. The objective of this research project is to collect current design practices, operating experience, and inspection practices (e.g., inspection method, inspection tools, and ageing mechanisms).

### 3.0 BACKGROUND

The CNSC is the nuclear energy and materials regulator in Canada. The mission of CNSC is to regulate the use of nuclear energy and materials to protect health, safety, security, and environment and to respect Canada's international commitments on the peaceful use of nuclear energy. Nuclear activities are carefully regulated to ensure their safe operation.

Currently, reliance on the Helical Coil Steam Generator (HCSG) is widely proposed in several Small Modular Reactors (SMRs) designs to improve thermal efficiency and compactness. Operating Experience (OPEX) of existing Steam Generators (SGs) indicates that SG tube is often the weakest link to maintain the structural integrity of a SG over its design life, and the failure of SG tube for some SMRs could affect the structural integrity of mechanical components in a primary side and could lead to the failure of Intermediate Heat Exchanger due to a pressure wave resulting from a chemical reaction between water and liquid sodium. However, OPEX for the HCSG are relatively insufficient while the U-type tube steam generators in Pressurized Water Reactor (PWR) have been improved based on large amount of OPEX.

### 4.0 SCOPE OF WORK

IRD requires professional services to discuss regulatory challenges to design, manufacture and operate helical coil steam generators in nuclear power plants. The resulting research should include the currently used codes and standards, particularly the ASME Boiler & Pressure Vessel Code (ASME B&PVC). The research should include current design, manufacturing, in-service inspection and operational challenges and operating experiences with helical coil steam generators and heat exchangers used in conventional industries (oil, gas, power, etc.).

Operating experience should focus on fitness for service, repair and replacement, inspection program, leak detection method/system, material degradation and ageing.



## 5.0 TASKS

The Contractor must perform, but is not limited to, the following tasks:

Task	Description
Start-up meeting	Participate in a start-up meeting with the Project Authority, Technical Authority and other stakeholders as required. This meeting must be held to discuss the requirement, proposed approach and methodology, proposed timelines, and to obtain clarifications and other elements as required about the research work.
Work plan	Provide a completed work plan, which must include information about the approach and methodology that will be used for the research, and the timelines for the tasks and deliverables. The work plan must promote clear communication to help ensure the effective and timely delivery of each project component.
Report 1	Overview of current industrial experience with helical coil steam generators and heat exchangers in terms of fitness for service, repair and replacement, inspection program, material degradation and ageing.
Report 2	Design rules and standards used for design, manufacturing, fitness for service and inspection of helical coil steam generators and heat exchangers.
Report 3	Design, operability, and licensing challenges to operate helical coil steam generators at small modular reactors. Review should include range of working fluids (water, liquid metal, salt, gas), allowable leak rates, and leak detection method/system.
Report 4	Review of readiness and applicability of ASME B&PV Code, Japan and France codes and standards for helical coil steam generators in water, liquid metal and salt cooled SMRs. Japan and French experience with using codes for fast breeder reactors.
Report 5	Comprehensive overview of US, France and Japan experience in licensing liquid metal cooled fast breeder reactors related to currently proposed small modular reactors.
Final Report	<p>The final report must include the following:</p> <ul style="list-style-type: none"><li>• An abstract</li><li>• An executive summary that includes preliminary conclusions and recommendations</li><li>• A table of contents</li><li>• Attachment consisting of the five topical reports</li></ul>





Abstract	<p>The abstract must include the following:</p> <ul style="list-style-type: none"> <li>a) context;</li> <li>b) purpose/objective of the research;</li> <li>c) approach/scope/method/findings.</li> </ul> <p>The abstract shall be written in a style that can be widely understood by the general public.</p> <p>Format and style requirements: 300 words or less providing a stand-alone statement that conveys the essential information of the Final Report.</p>
Presentation	<p>Prepare a PowerPoint presentation on the project findings, conclusions and recommendations documented in the final reports.</p>

## 6.0 DELIVERABLES and ASSOCIATED SCHEDULE

The Contractor must submit the following Deliverables according to the schedule below:

Deliverable	Date	Delivery Location	Description
Start-up Meeting	Two (2) weeks after contract award.	Tele/videoconference	To discuss and clarify the proposed approach and methodology, work plan and schedule to ensure achievement of the contract objectives. The Contractor shall prepare a presentation with the above purpose in mind.
Work Plan	Two (2) weeks after the Start-up Meeting	Electronic Delivery	To outline the project plan, with tasks and deliverables, methodology, and timelines that will promote clear communication to help ensure the effective and timely delivery of each project component.



Progress Meetings	Monthly Basis	Tele/videoconference	<p>To assess the degree to which the agreed project objectives are being achieved as planned and to facilitate timely adjustments (if necessary) to ensure the project success.</p> <p>Progress meetings will be followed by email correspondence summarizing the current status of the project activities and agreements made during the progress meetings.</p>
Report #1	Four (4) months after contract award	Electronic Delivery	Topical report 1 on task 5.1
Report #2	Eight (8) months after contract award	Electronic Delivery	Topical report 2 on task 5.2
Report #3	Twelve (12) months after contract award	Electronic Delivery	Topical report 3 on task 5.3
Report #4	Sixteen (16) months after contract award	Electronic Delivery	Topical report 4 on task 5.4
Report #5	Twenty (20) months after contract award	Electronic Delivery	Topical report 5 on task 5.5
Presentation	Twenty-two (22) months after contract award	CNSC Head Office	<p>Meet with the Project Authority and stakeholders to present the project findings, conclusions and recommendations documented in the final report. A copy of the presentation must be provided to the Project Authority.</p>



Final Report	Twenty-three (23) months after contract award	Electronic Delivery	A final copy of the report, including revisions completed based on comments and the presentation, must be delivered to the Project Authority for review and approval.
Abstract	One (1) week prior to contract end date.	Electronic Delivery	Stand-alone statement that conveys the essential information of the Final Report

**7.0 FORMAT OF DELIVERABLES**

The Contractor must provide the deliverables in the following formats:

- electronically (by email);
- using font Times New Roman 12;
- MS Office 2010 or later (Word, Project, PowerPoint, Excel, Visio);
- using Portable Document Format (PDF).

Any electronic files that cannot be read or require major formatting changes when opened are not acceptable and will be returned to the Contractor for correction at their expense.

The CNSC reserves the right to distribute the final report publicly at its discretion. CNSC publication number(s) will be provided by the CNSC.

**8.0 LANGUAGE OF WORK**

The work must be conducted in English. All deliverables must be submitted in English. The CNSC will be responsible for the translation of the deliverables if required. The Contractor’s resource(s) may be required to interact with and provide updates to senior management including directors, executives, directors general and vice-presidents. The Contractor’s resource(s) must conduct themselves in a professional manner for interaction with members of senior management.

The Contractor’s resource(s) must be able to communicate in English as follows:

Spoken

Able to use the language fluently and accurately on all levels normally pertinent to professional needs. Language usage and ability to function are fully successful. Can tailor language to audience and discuss in depth highly abstract or unfamiliar topics. Able to speak with a great deal of fluency, grammatical accuracy, complex vocabulary and in an idiomatic fashion.



### Reading

Able to read fluently and accurately all styles and forms of the language in any subject as well as those pertinent to professional needs. Can follow unpredictable turns of thought readily in editorial, conjectural, and literary texts, as well as in materials in own special field, including official documents and correspondence.

### Writing

Able to write the language precisely and accurately in a variety of prose pertinent to professional needs. Errors of grammar, syntax, punctuation and vocabulary are rare. Writing is consistently and explicitly organized with appropriate connectors and discourse devices (ellipsis, parallelisms, subordinates).

## **9.0 TRAVEL REQUIREMENTS**

The Contractor may be required to attend meetings at the CNSC headquarters or other CNSC locations within the National Capital Region. Travel and living expenses will not be reimbursed.

## **10.0 TECHNICAL ENVIRONMENT**

All tele/videoconference meetings between the CNSC and Contractor will be held using Microsoft Teams.

## **11.0 LOCATION OF WORK**

It is anticipated that the work will be completed at the Contractor's premises. Consultation with team members and subject matter experts, presentations, and any other meetings will be held by tele/videoconference (e.g. Microsoft Teams, Zoom).

The Contractor must attend the CNSC Headquarters, in Ottawa, ON, for the final presentation.



## ANNEX B, BASIS OF PAYMENT

### 1.0 Basis of Payment - Firm Price - Services

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price of \$ *To be inserted at Contract award*. Customs duties are included and Applicable Taxes are extra.

### 2.0 Payment Schedule

(10 % de la valeur du contrat)

During the period of the Contract, for Work performed in accordance with the Contract, the Contractor will be paid as specified below:

Number	Deliverable	Firm Price
1	Report #1 (12% of contract value)	\$ <i>To be inserted at Contract award</i>
2	Report #2 (12% of contract value)	\$ <i>To be inserted at Contract award</i>
3	Report #3 (12% of contract value)	\$ <i>To be inserted at Contract award</i>
4	Report #4 (12% of contract value)	\$ <i>To be inserted at Contract award</i>
5	Report #5 (12% of contract value)	\$ <i>To be inserted at Contract award</i>
6	Final Report (30% of contract value)	\$ <i>To be inserted at Contract award</i>
7	Abstract (10% of contract value)	\$ <i>To be inserted at Contract award</i>
Total (Sum of Deliverable Number 1 to 7)		\$ <i>To be inserted at Contract award</i>

### 3.0 Limitation of Price

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

### 4.0 Travel and Living Expenses

- a) Travel and living expenses will not be reimbursed under the Contract.
- b) Canada will not accept any travel and living expenses incurred by the Contractor as a consequence of any relocation required to satisfy the terms of the Contract.
- c) All travel within the National Capital Region will be at the Contractor's expense.



## ANNEX C, SECURITY REQUIREMENTS CHECK LIST



Government of Canada  
Gouvernement du Canada

Contract Number / Numéro du contrat 5000067379
Security Classification / Classification de sécurité UNCLASSIFIED

### SECURITY REQUIREMENTS CHECK LIST (SRCL) LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE			
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine		2. Branch or Directorate / Direction générale ou Direction Innovation and Research Division	
3. a) Subcontract Number / Numéro du contrat de sous-traitance		3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail R764.1 - The Critical Review of Design Rules, Operating Experience and Inspection Practices used in the Helical Coil Steam Generator and Leak Detection Systems in Various Types of SMRs			
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?		<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?		<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
6. Indicate the type of access required / Indiquer le type d'accès requis			
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)		<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.		<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?		<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès			
Canada	<input checked="" type="checkbox"/>	NATO / OTAN	<input type="checkbox"/>
		Foreign / Étranger	<input type="checkbox"/>
7. b) Release restrictions / Restrictions relatives à la diffusion			
No release restrictions Aucune restriction relative à la diffusion	<input checked="" type="checkbox"/>	All NATO countries Tous les pays de l'OTAN	<input type="checkbox"/>
Not releasable À ne pas diffuser	<input type="checkbox"/>		
Restricted to: / Limité à:	<input type="checkbox"/>	Restricted to: / Limité à:	<input type="checkbox"/>
Specify country(ies): / Préciser le(s) pays:		Specify country(ies): / Préciser le(s) pays:	
7. c) Level of information / Niveau d'information			
PROTECTED A PROTÉGÉ A	<input type="checkbox"/>	NATO UNCLASSIFIED NATO NON CLASSIFIÉ	<input type="checkbox"/>
PROTECTED B PROTÉGÉ B	<input type="checkbox"/>	NATO RESTRICTED NATO DIFFUSION RESTREINTE	<input type="checkbox"/>
PROTECTED C PROTÉGÉ C	<input type="checkbox"/>	NATO CONFIDENTIAL NATO CONFIDENTIEL	<input type="checkbox"/>
CONFIDENTIAL CONFIDENTIEL	<input type="checkbox"/>	NATO SECRET NATO SECRET	<input type="checkbox"/>
SECRET SECRET	<input type="checkbox"/>	COSMIC TOP SECRET COSMIC TRÈS SECRET	<input type="checkbox"/>
TOP SECRET TRÈS SECRET	<input type="checkbox"/>		
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT)	<input type="checkbox"/>		
		PROTECTED A PROTÉGÉ A	<input type="checkbox"/>
		PROTECTED B PROTÉGÉ B	<input type="checkbox"/>
		PROTECTED C PROTÉGÉ C	<input type="checkbox"/>
		CONFIDENTIAL CONFIDENTIEL	<input type="checkbox"/>
		SECRET SECRET	<input type="checkbox"/>
		TOP SECRET TRÈS SECRET	<input type="checkbox"/>
		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT)	<input type="checkbox"/>

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité  
UNCLASSIFIED

Canada



Contract Number / Numéro du contrat 500067379
Security Classification / Classification de sécurité UNCLASSIFIED

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

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?  
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS?  No / Non  Yes / Oui  
If Yes, indicate the level of sensitivity:  
Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?  
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate?  No / Non  Yes / Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel :  
Document Number / Numéro du document :

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

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

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

Special comments:  
Commentaires spéciaux : \_\_\_\_\_

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.  
REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?  
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail?  No / Non  Yes / Oui  
If Yes, will unscreened personnel be escorted?  
Dans l'affirmative, le personnel en question sera-t-il escorté?  No / Non  Yes / Oui

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

**INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS**

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?  
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS?  No / Non  Yes / Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?  
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC?  No / Non  Yes / Oui

**PRODUCTION**

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?  
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ?  No / Non  Yes / Oui

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

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?  
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS?  No / Non  Yes / Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?  
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale?  No / Non  Yes / Oui



Contract Number / Numéro du contrat 5000067379
Security Classification / Classification de sécurité UNCLASSIFIED

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

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.  
Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.  
Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

**SUMMARY CHART / TABLEAU RÉCAPITULATIF**

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL CONFIDENTIEL	SECRET	TOP SECRET TRÈS SECRET	NATO RESTRICTED NATO DIFFUSION RESTRIÉE	NATO CONFIDENTIAL NATO CONFIDENTIEL	NATO SECRET	COSMIC TOP SECRET COSMIC TRÈS SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET TRÈS SECRET
											A	B	C			
Information / Assets Renseignements / Biens Production																
IT Media / Support TI																
IT Link / Lien électronique																

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?  
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?  No / Non  Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".  
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?  
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?  No / Non  Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).  
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquer qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).





Contract Number / Numéro du contrat 5000067379
Security Classification / Classification de sécurité UNCLASSIFIED

**PART D - AUTHORIZATION / PARTIE D - AUTORISATION**

13. Organization Project Authority / Chargé de projet de l'organisme

Name (print) - Nom (en lettres moulées) John McIntosh	Title - Titre Senior Research Program Officer	Signature McIntosh, John	<small>Digitally signed by McIntosh, John DN: cn=CA, o=CC, ou=CCSC/CCSN, c=CA Reason: I am approving this document Date: 2022.01.16 14:50:07 Full PDF Editor Version: 12.0.2</small>
Telephone No. - N° de téléphone 343-542-7673	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel john.mcintosh@cnscc-ccsn.gc.ca	Date 2022-01-16

14. Organization Security Authority / Responsable de la sécurité de l'organisme

Name (print) - Nom (en lettres moulées) Jessica Al Najjar	Title - Titre Personnel Security Officer	Signature AlNajjar, Jessica	<small>Digitally signed by AlNajjar, Jessica DN: cn=CA, o=CC, ou=CCSC/CCSN, c=CA Reason: I am approving this document Date: 2022.01.16 14:50:07 Full PDF Editor Version: 12.0.2</small>
Telephone No. - N° de téléphone 343-552-7228	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel jessica.alnajjar@cnscc-ccsn.gc.ca	Date

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?  
Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?

No / Non     Yes / Oui

16. Procurement Officer / Agent d'approvisionnement

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature Tilsley, Daniel	<small>Digitally signed by Tilsley, Daniel DN: cn=CA, o=CC, ou=CCSC/CCSN, c=CA Reason: I am the author of this document Location: Date: 2023.01.17 14:50:41-0500 Full PDF Editor Version: 12.0.2</small>
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date

17. Contracting Security Authority / Autorité contractante en matière de sécurité

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date