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**SOLICITATION AMENDMENT**

**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

THIS DOCUMENT CONTAINS A SECURITY  
REQUIREMENT

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**Issuing Office - Bureau de distribution**

Informatics Professional Services Division/Division des  
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K1A0S5

<b>Title - Sujet</b> PMESS - TBIPS	
<b>Solicitation No. - N° de l'invitation</b> W6369-16DE18/A	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> W6369-16DE18	<b>Date</b> 2017-11-10
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$IPS-002-31906	
<b>File No. - N° de dossier</b> 002ips.W6369-16DE18	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2017-11-29</b>	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Francoeur-Massia, Diane	<b>Buyer Id - Id de l'acheteur</b> 002ips
<b>Telephone No. - N° de téléphone</b> (613) 944-5687 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

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<b>Signature</b>	<b>Date</b>

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**Purpose:**

To respond to various enquiries regarding this solicitation and to make changes to the evaluation criteria.

**QUESTIONS AND ANSWERS**

**QUESTION 27**

re: A.6 Programmer / Software Developer JAVA (Level 3) – Point-Rated requirement R3 – Please confirm that Java EE (as the most recent version) will be accepted as equivalent to J2EE as experience claimed against this criteria.

**ANSWER 27**

Yes, Canada will accept experience with Java EE as well as J2EE for criteria R3 A.6 Programmer / Software Developer JAVA Level 2 and Level 3.

**QUESTION 28**

re: A.8 System Analyst (Level 3) – Point-Rated requirement R2 – The criteria calls for “experience within the last ten years”, however the evaluation criteria gives points for 10 years and above. Please amend the evaluation criteria to the following:

- >3 to 5 years = 1 point
- >5 to 7 years = 2 points
- >7 years = 3 points

**ANSWER 28**

Canada cannot make the change requested because it conflicts criteria M2 for this category. However given the requirement for experience within the last 10 years, Canada agrees to make certain changes. See changes section below.

**QUESTION 29**

re: G.9 GIS System Architect (Level 3) – Point-Rated requirement R2:

- a) Please confirm that a GIS diploma or degree will be given points against R1 as a “sciences, engineering or information management” specialization.
- b) Please confirm that proposed candidates will not be required to have both a GIS Diploma and GIS Degree to score full points. Please amend the evaluation criteria to the following:

- GIS Diploma = 2 points
- GIS Degree = 3 points

**ANSWER 29**

- a) The bidder must demonstrate that GIS diploma or degree is in the sciences, engineering or information management in order to score points under R1.
- b) Criteria R2 for both G.2 and G.3 GIS categories have been corrected to match the correct scoring for each educational requirement. See Changes section below. The proposed resource is not required to have both a Diploma and Degree in order to score full points. Canada will not change this criteria as requested.

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### **QUESTION 30**

re: G.9 GIS System Architect (Level 3) – Point Rated requirement R3 – Please confirm that proposed candidates do not need all four certifications listed to score full points. Please amend the evaluation criteria to the following:

- 1 listed certification = 1 point
- 2 listed certifications = 3 points
- 3 or more listed certifications = 4 points

### **ANSWER 30**

Each certification listed in the criteria is worth 1 point, therefore the bidder must demonstrate that the proposed resource has all four certifications in order to score maximum points for this criteria, that being 4 points. Canada will not change this criteria as requested.

### **QUESTION 31**

re: G.9 GIS System Architect (Level 3) – Point-Rated requirement R5 – Please confirm our interpretation of the requirement that bidders will need to demonstrate five (5) years' experience **with each individual product** to be awarded points for this criteria.

### **ANSWER 31**

Canada will accept combined experience provided at least two products are demonstrated. For example, the proposed resource has 2 years' experience within the last 10 years using Map server and 4 years' experience within the last 10 years using GeoServer. In this case since the combined experience is at least 5 years and at least two products are demonstrated, the bidder would receive 1 point.

### **QUESTION 32**

re: G.9 GIS System Architect (Level 3) – Point-Rated requirement R6 – For each "product" listed, please confirm that one example from each bullet in the list will qualify as a product, and bidders proposed resources are not required to have experience with the full list of products.

### **ANSWER 32**

The bidder must have experience in a product from each of the 5 bullets in order to score the maximum 3 points for this criteria.

### **QUESTION 33**

B.5 Business Process Re-Engineering Consultant (Level 3) Point-Rated requirement R6 – We believe that requiring a Level 3 BPR consultant to have both a CBAP and PMI-PBA certification is an unreasonable request as candidates with both of these qualifications are quite rare. Please amend the Evaluation Criteria to the following:

- 1 certification = 1 point
- 2 or more certifications = 3 points

### **ANSWER 33**

See changes section below for updates to the scoring for this criteria.

### **QUESTION 34**

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P.9 Project Manager Level 2 and Level 3 – Point Rated requirement R3 – Please confirm that the Crown will accept additional certifications against this criteria; for example, an IT Management Certified Professional designation.

#### **ANSWER 34**

Canada will not accept additional certifications as requested. Only the certifications listed in this criteria will be accepted.

#### **QUESTION 35**

I.6 Network Analyst Level 3 – Point Rated requirement R6 – Please confirm that the Crown will accept additional certifications not listed in the criteria; for example: CCNP Data Centre Certification, CCDA (Design Associate), CCNP – Security Certification.

#### **ANSWER 35**

For the purpose of this criteria, Canada will accept any CCNP certification as well as a CCNA and CCDA certification. However, only one point will be granted for each group of certifications. For example, if the resource has a CCNP - Security Certification and a CCNP - Data Centre Certification, only one point will be awarded because the certifications are within the same group of certifications.

#### **QUESTION 36**

I.3 Database Analyst / IM Administrator (Level 3) – Point-Rated requirement R5 – Please confirm that the Crown will accept additional certifications not listed in the criteria; for example Microsoft Certified Professional, IBM Certified Developer and Certified Data Professional.

#### **ANSWER 36**

Canada will accept only those certifications listed in the criteria. Please note that the certifications can include a general certification or category for which a subset of certifications exist for that category. For example, the listed item “Microsoft SQL Server Database Certifications” could include Microsoft Technology Associate (MTA) certification, or Microsoft Certified Solutions Associate (MCSA) certification or Microsoft Certified Solutions Expert (MCSE) certification. Either of which would be accepted as a Microsoft SQL Server Database Certification. Please note as well that the certifications are exclusive, that is, the proposed resource must have a certification in at least three individual bullets listed in order to score maximum points. For example, a resource with an MTA certification and MCSA certification and MCSE certification will count only as one point since they all fall under the same Microsoft SQL Server Database Certifications bullet.

The list of applicable certifications that could be evaluated under this criteria are too numerous to list. However, to assist bidders in identifying acceptable certification(s), Canada has provided the links and additional information below to assist in your bid preparation.

OCP - [http://education.oracle.com/pls/web\\_prod-plq-dad/db\\_pages.getpage?page\\_id=39](http://education.oracle.com/pls/web_prod-plq-dad/db_pages.getpage?page_id=39) – at the beginning page, if you search “Oracle Certified Professional”, all the Certified Professional Designations will appear.

ICCP CDMP - <https://www.iccp.org/index.html>

Microsoft SQL Server Database Certifications : <https://www.microsoft.com/en-ca/learning/sql-certification.aspx>

IBM Information Management Certifications : <http://www-03.ibm.com/certify/certs.html>

MOngoDB NoSQL Certifications : Not able to locate <https://www.mongodb.com/press/mongodb-certification-now-available-developers-and-dbas>

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PostgreSQL: <https://www.enterprisedb.com/postgresql-95-training-certification-edb-exclusive>

MySQL: <https://www.mysql.com/certification/>

The "MongoDB NoSQL Certifications" is equal to "MongoDB DBA Certifications", based on "The launch of MongoDB certification is a response to the widespread adoption of our NoSQL database and the increasing importance employers are placing on MongoDB expertise" <https://www.mongodb.com/press/mongodb-certification-now-available-developers-and-dbas>

Canada will not further confirm which certifications will be deemed acceptable under this criteria during the solicitation period.

#### **QUESTION 37**

Each of the 15 proposed resources required in Workstream A and B are awarded points for having a degree or diploma specifically in the sciences, engineering or information management. The points awarded for education are heavily weighted, and in some cases account for more than one third of the total score (i.e. Project Manager L3, 3/8 points for education). Given that many senior resources, especially in the business and project management services categories, may not have a degree/diploma in these disciplines, we respectfully request that a proposed resource's years of experience in the category, over and above the minimum TBIPS requirement, be deemed equivalent to a degree/diploma.

#### **ANSWER 37**

Canada has a requirement to ensure resources have adequate education and training necessary to perform the required tasks. Canada will not change the criteria as requested.

#### **QUESTION 38**

Page 15 of the RFP. Section 3.2 (iv), states that for any degree, designation or certification obtained outside of Canada, a copy of the academic credential assessment must be provided by time of bid closing. Many senior consultants who received their degrees from well-known universities in the US or UK, have never been required to obtain this accreditation, having the reasonable expectation that it would not be required given the educational standards of those countries or institutions. More importantly, they would not receive the results of the credential assessment by bid closing date if they were to begin the process as of bid issue date, as it takes 8-12 weeks to process. Given the specialized skill sets requested in this RFP, and in order to not limit the participation of otherwise highly qualified resources, we respectfully request that any academic credential assessment be provided to the Crown upon request at time of contract award.

#### **ANSWER 38**

Canada cannot confirm or deny the timelines indicated for credential assessment. The subject clause is a standard clause used in most TBIPS requirements as well as other similar professional services requirements. Given the importance education plays in the role of this commodity, and since it plays heavily in the validation of the qualification requirements of individual resources, it is imperative that Canada evaluate this education. Deferring this process to Contract award would not meet Canada's objectives. Canada will not change this requirement as requested.

#### **QUESTION 39**

Please confirm that if a Bidder submits a copy of an academic credential assessment completed by World Education Services (an organization recognized by CICIC) demonstrating the equivalency of his

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computer science degree to a US Bachelor's or Master's degree, that this would be acceptable to the Crown to meet the RFP requirement Section 3.2 (iv) for a degree obtained outside of Canada.

#### **ANSWER 39**

Canada will not list or confirm the agencies or organization recognized by the Canadian Information Centre for International Credentials (CICIC) during the solicitation period. It is up the bidder to ensure the requirements of 3.2(iv) are met when submitting a bid.

#### **QUESTION 40**

For B.5, Business Process Re-Engineering Consultant Level 3, Rated Criteria R6, Certifications – would the crown add PRINCE2 to the allowable certification listing as PRINCE2 is a process-based approach that focuses on organization and control over the entire project from start to finish and is similar to PMI-PBA (which is relatively new and has a limited pool of candidates).

#### **ANSWER 40**

Canada will not change the subject criteria as requested.

#### **QUESTION 41**

For the GIS Architect Level 3, R1 requires a degree/diploma, R2 a degree/diploma in GIS, and R3 up to four (4) GISP/ESRI certifications for full points. The weighting on education/certifications accounts for 10 of a possible 19 rated points or more than 50% of available points. Would the crown please provide a more balanced point allocation for rated criteria between education/certifications and work experience as many GIS/ESRI experts, including those with extensive experience with DND would not pass the rated/score poorly as currently weighted.

#### **ANSWER 41**

See revisions in the Changes section below. Scoring is equally balanced between education and experience.

#### **QUESTION 42**

For I.3, Database Analyst/IM Administrator Level 3, rated criteria R5, many of the certifications listed are either not database centric (ie OCP, IBM IM certifications), vendor neutral (ICCP CDMP) or cloud based (MongoDB NoSQL). Most database skills and knowledge are tied to specific platforms, including various Oracle products (such as the open source MySQL environment), Microsoft SQL Server, IBM DB2 etc. Would the crown accept the more common platform specific database certifications such as:

- IBM Certified Database Administrator – DB2
- Oracle Database 11g/12c administration
- MCSE/MCP certifications (for supporting MS Access databases)

This would better align to the scope of work (specialties) for the role as described in the RFP SOW (page 78 of 329).

#### **ANSWER 42**

See Answer 36.

#### **QUESTION 43**

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Could you please confirm the scoring for the GIS Architect Level 3, rated criteria R2 , as max points indicates 3 points but the scoring is for a GIS Diploma (1 point)or a GIS Degree (2 points).

**ANSWER 43**

See Changes section below.

**QUESTION 44**

I.6 Network Analyst Level 3 – Point Rated requirement R6 – Please confirm that the Crown will accept additional certifications not listed in the criteria; for example: CCSI, CSSP and CCIP.

**ANSWER 44**

Yes, Canada will accept CCSI, CSSP and CCIP certification for this criteria.

**QUESTION 45**

Database Analyst / IM Administrator Level 3 – Point Rated requirement R5 – Please confirm that the Crown will accept additional certifications not listed in the criteria; for example: Oracle Certified Associate and Microsoft Certified Technical Specialist: SQL Server.

**ANSWER 45**

See Answer 36

**QUESTION 46**

While we understand that all technical roles require full time onsite, the role of the IT Security TRA and C&A Analyst is an exception. TRA work includes elements that must be completed onsite such as interviews however some elements of TRA/C&A/SA&A work can be completed offsite such as analysis and report writing. We have an exceptional IT Security resources at the highest clearance levels with over 25 years' of experience conducting TRA /C&A/SA&A for numerous Government of Canada clients. Provided the resource commits to onsite availability for all onsite portions of the work, will the Crown allow portions of the work to be completed offsite?

**ANSWER 46**

As stated in the solicitation, all work will be performed at various DND facilities within the National Capital Region (NCR). Canada will not change this requirement as requested.

**QUESTION 47**

In regards to the I.3 Database Analyst / IM Administrator, Level 3 requirement, for R5, would the Crown consider allowing any of the following certifications in addition to those already listed:

- Microsoft Certified IT Professional (MCTIP)
- Microsoft Certified Technology Specialist (MCTS)

**ANSWER 47**

See Answer 36.

**QUESTION 48**

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Due to the high number of resumes and grids that have to be submitted for this RFP and adhering to 'Canada's Policy of Green Procurement' would it acceptable to the Crown if the substantiation provided in the grids includes key client and project information like:

Project #  
Department/Client  
Role  
Start and end dates  
(duration)

For each project the page number within the corresponding resume would be identified in the column provided as per the grid format identified in the RFP. For evaluation purposes, cited projects within the proposed resource's résumé, would mark relevant text/ bullets with tags that clearly identify the mandatory and/ or point-rated criteria that we believe the content maps to.

#### **ANSWER 48**

Bidders must provide substantiation of technical compliance in accordance with the solicitation including Article 3.2 (iii) Substantiation of Technical Compliance. Canada requests the format described in Attachment 4.1 for providing the substantiation.

#### **QUESTION 49**

We would like to ask the following question for the Tier 2 RFP with DND - W6369-16DE18/A on the category of GIS APPLICATION ANALYST LEVEL 3.

R2 states that "The contractor should clearly demonstrate the proposed resource has a specialized Degree or Diploma in GIS". If a candidates studied Geographic Information Systems through a degree in Geography, since at the time of study there were no degree's in GIS, would the Crown accept a degree in Geography?

#### **ANSWER 49**

Canada will not accept a Geography degree as a Degree in GIS as there is no way of verifying how much GIS was studied and the prime focus / specialization may not have been GIS.

#### **QUESTION 50**

A.6 Programmer/Software Developer JAVA (Level 3) - Point Rated requirement R5 - We find it unreasonable to require a Programmer/Software Developer to have 7 years of experience using load testing tools. Please amend the criteria to the following: "The Contractor should clearly demonstrate that the proposed resource has experience within the last ten years, using automated unit testing tools."

#### **ANSWER 50**

Canada's needs are based on operational requirements. Canada will not change this criteria as requested.

#### **QUESTION 51**

We would greatly appreciate if you can invite us to submit a proposal against the TBIPS requirement W6369-16DE18/A.

#### **ANSWER 51**

See Answer 6 of Amendment 002. Note: the Task-Based Informatics Professional Services (TBIPS)

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Method of Supply is refreshed on an annual basis. If you wish to find out how you can be a Qualified SA Holder, please contact RCNMDAI.-NCRIMOS@pwgsc.gc.ca

#### **QUESTION 52**

In Question and Answer 13 Canada indicated that they would accept CCNA (Cisco Certified Network Associate) certification as relevant for the I.6 Network Analyst, level 3. CCNA certifications have multiple certification paths, including routing and switching, design, cloud, data center, and cybersecurity. Would you please accept multiple certifications under the CCNA level as each certification path demonstrates expertise in a specific domain that demonstrates a resources abilities with CISCO Networking technologies.

Additionally, Would Canada please accept an MCITP certification for the I.6 Network Analyst, Level 3 in Client/Server specializations. In R3 Canada is requesting that resources have experience with Microsoft network operating system products and as such an MCITP certification in Client/Server are directly relevant to the work the resource will be performing.

#### **ANSWER 52**

Canada will accept only one certification per group for criteria R6. That is, multiple CCNA certifications will count as one certification and score only one point. Canada will not accept an MCITP certification for criteria R3.

#### **QUESTION 53**

System Design Strategies system sizing methodology consists of performance validation and system capacity planning techniques for enterprise GIS deployments as constructed by ESRI. Canadian implementers of this methodology must have taken formal training on the capacity planning techniques directly from ESRI, and must be approved internally by ESRI Canada in order to conduct the analysis in support of ESRI implementations.

Since this training is critical to the role of a practicing GIS Architect, would the Crown consider allowing the ESRI's *System Design Strategies* training <https://www.esri.com/training/catalog/57630434851d31e02a43ef7c/system-architecture-design-strategies/> as an additional Enterprise level certification for rated requirement R3 of the RFP?

#### **ANSWER 53**

Canada has reviewed the request and determined that it will not accept the subject training as a certificate for rated requirement R3.

#### **QUESTION 54**

For WORKSTREAM B IT Security TRA and C&A Analyst, Level 3, in reference to R4, would the Crown also consider including a certification for ISO27001 Lead Implementer as an eligible certificate for this requirement?

#### **ANSWER 54**

Canada has reviewed the request and determined that we will not accept ISO27001 Lead Implementer as an eligible certificate for this criteria.

#### **QUESTION 55**

Would the Crown please consider granting another 1 week extension? There is a high level of effort required to submit 15 resources including all copies of education and certifications for each resource.

**ANSWER 55**

The timelines for this procurement are limited due to operational requirements therefore, PWGSC agrees to extend the solicitation closing only to November 29, 2017, 2PM Eastern Standard Time. Bidders should budget their time accordingly and submit any questions as soon as possible as PWGSC does not intend to grant any further extensions for this requirement. Although the bid closing date is being extended the date for answering questions is only being extended until November 20, 2017. Therefore, bidders should submit all questions by this time. Canada does not commit to answer questions received after this.

**CHANGES**

Based on questions received from Bidders, Canada agrees to make the following changes:

A.8 SYSTEM ANALYST LEVEL 3				CONTRACTOR'S RESPONSE	
ITEM #	POINT RATED CRITERIA	MAX POINTS	EVALUATION CRITERIA	DEMONSTRATED EXPERIENCE (CONTRACTOR TO INSERT DATA)	INSERT PAGE # OF RESUME
R1	<p>The Contractor should clearly demonstrate that the proposed resource has one of the following academic credentials:</p> <ul style="list-style-type: none"> <li>A degree from a recognized university in the sciences, engineering or information management, or</li> <li>A diploma (minimum 2 years) from a recognized college in the sciences, engineering or information management</li> </ul> <p>To demonstrate this requirement, the bidder must provide a copy of the degree or diploma with their bid.</p>	3	<p>Diploma= 2 point</p> <p>Degree = 3 points</p>		
R2	<p>The Contractor should clearly demonstrate that the proposed resource has experience within the last ten years, developing system designs and specifications using Rational Unified Process (RUP) framework and Unified Modeling Language (UML) including storyboarding and System Use Cases (SUC).</p>	3	<p>&gt;<del>540</del> to <del>742</del> years = 1 point</p> <p>&gt;<del>742</del> to <del>944</del> years = 2 points</p> <p>&gt; <del>944</del> years = 3 points</p>		

<b>R3</b>	The Contractor should clearly demonstrate that the proposed resource has experience analysing and recommending technical specifications for systems development, design and implementation.	3	>10 to 12 years = 1 point >12 to 14 years = 2 points > 14 years = 3 points		
<b>R4</b>	The Contractor should clearly demonstrate that the proposed resource has experience ensuring that new technical requirements are properly integrated with existing processes.	3	> 3 to 5 years = 1 point > 5 to 7 years = 2 points > 7 years = 3 points		
<b>R5</b>	The Contractor should clearly demonstrate that the proposed resource has experience identifying, understanding and planning for organizational impacts of planned systems	3	> 3 to 5 years = 1 point > 5 to 7 years = 2 points > 7 years = 3 points		
<b>Total</b>	Maximum Score: 15 points Minimum Score: 8 points				

G.3 GIS APPLICATION ANALYST LEVEL 2				CONTRACTOR'S RESPONSE	
ITEM #	POINT RATED CRITERIA	MAX POINTS	EVALUATION CRITERIA	DEMONSTRATED EXPERIENCE (CONTRACTOR TO INSERT DATA)	INSERT PAGE # OF RESUME
<b>R1</b>	The Contractor should clearly demonstrate that the proposed resource has one of the following academic credentials: <ul style="list-style-type: none"> <li>A degree from a recognized university in the sciences, engineering or information management, or</li> </ul>	3	Degree = 3 point Diploma = 2 points		

	<ul style="list-style-type: none"> <li>A diploma (minimum 2 years) from a recognized college in the sciences, engineering or information management</li> </ul> <p>To demonstrate this requirement, the bidder must provide a copy of the degree or diploma with their bid.</p>				
<b>R2</b>	<p>The Contractor should clearly demonstrate that the proposed resource has a specialised Degree or Diploma in GIS.</p> <p>To demonstrate this requirement, the bidder must provide a copy of the degree or diploma with their bid.</p>	<del>23</del>	<p>GIS Degree = <del>23</del> points</p> <p>GIS Diploma = <del>12</del> points</p>		
<b>R3</b>	<p>The Contractor should clearly demonstrate that the proposed resource has one of the following professional GIS certifications:</p> <p>A. Geographic Information Systems Professional (GISP)</p> <p>B. Esri Technical Certification in:</p> <ul style="list-style-type: none"> <li>Desktop;</li> <li>Developer; or</li> <li>Enterprise.</li> </ul> <p>To demonstrate this requirement, the bidder must provide a copy of the certifications with their bid.</p>	4	<p>GISP certificate = 1 point</p> <p>ESRI Desktop Certification = 1 point</p> <p>ESRI Developer Certification = 1 point</p> <p>ESRI Enterprise Certification = 1 point</p>		
<b>R4</b>	<p>The Contractor should clearly demonstrate that the resource has at least one (1) year experience within the last five (5) years in at least two of the following products:</p> <ul style="list-style-type: none"> <li>Map server;</li> <li>GeoServer;</li> <li>Google Earth;</li> <li>ArcGIS Server;</li> <li>Geodatabase; and</li> <li>FME.</li> </ul>	3	<p>2 products = 1 point</p> <p>3 products to 4 products = 2 points</p> <p>&gt;4 products = 3 points</p>		

<b>R5</b>	<p>The Contractor <del>should</del><b>must</b> clearly demonstrate that the proposed resource has at least one (1) years' experience within the last five (5) years using at least two of the following products:</p> <ul style="list-style-type: none"> <li>• GIS-related JavaScript packages such as Cesium, Leaflet and OpenLayers;</li> <li>• Popular JavaScript packages such as jQuery, requires and dojo;</li> <li>• GIS communication protocols (WMS, WFS, etc.) and data formats such as KML and GeoJSON;</li> <li>• HTML5, CSS3, SVG and JavaScript technologies; and</li> <li>• Linux, PostGIS Database, Postgres SQL, Oracle.</li> </ul>	3	<p>2 products = 1 point</p> <p>3 products to 4 products = 2 points</p> <p>&gt;4 products = 3 points</p>		
<b>R6</b>	<p>The Contractor must clearly demonstrate that the proposed resource has experience in GIS enterprise design, development and/or support in a complex enterprise environment.</p>	3	<p>&gt; 1 to 2 years = 1 point</p> <p>&gt; 2 to 3 years = 2 points</p> <p>&gt;3 years = 3 points</p>		
<b>Total</b>	<p>Maximum Score: <del>189</del> points Minimum Score: <del>940</del></p>				

G.3 GIS APPLICATION ANALYST LEVEL 3				CONTRACTOR'S RESPONSE	
ITEM #	POINT RATED CRITERIA	MAX POINTS	EVALUATION CRITERIA	DEMONSTRATED EXPERIENCE (CONTRACTOR TO INSERT DATA)	INSERT PAGE # OF RESUME
<b>R1</b>	<p>The Contractor should clearly demonstrate that the proposed resource has one of the following academic credentials:</p> <ul style="list-style-type: none"> <li>• A degree from a recognized university in the sciences,</li> </ul>	3	<p>Diploma= 2 points</p> <p>Degree = 3 points</p>		

	<p>engineering or information management, or</p> <ul style="list-style-type: none"> <li>• A diploma (minimum 2 years) from a recognized college in the sciences, engineering or information management</li> <li>• To demonstrate this requirement, the bidder must provide a copy of the degree or diploma with their bid.</li> </ul>				
<b>R2</b>	<p>The Contractor should clearly demonstrate that the proposed resource has a specialised Degree or Diploma in GIS.</p> <p>To demonstrate this requirement, the bidder must provide a copy of the degree or diploma with their bid.</p>	<del>2</del> 3	<p>GIS Diploma= 1 point</p> <p>GIS Degree = 2 points</p>		
<b>R3</b>	<p>The Contractor should clearly demonstrate that the proposed resource has one of the following professional GIS certifications:</p> <p>A. Geographic Information Systems Professional (GISP)</p> <p>B. Esri Technical Certification in:</p> <ul style="list-style-type: none"> <li>• Desktop;</li> <li>• Developer; or</li> <li>• Enterprise.</li> </ul> <p>To demonstrate this requirement, the bidder must provide a copy of the certifications with their bid.</p>	4	<p>GISP certificate = 1point</p> <p>ESRI Desktop Certification = 1 point</p> <p>ESRI Developer Certification = 1 point</p> <p>ESRI Enterprise Certification = 1 point</p>		
<b>R4</b>	<p>The Contractor should clearly demonstrate that the proposed resource had five (5) years' experience within the last ten (10) years with at least two of the following products:</p> <ul style="list-style-type: none"> <li>• Map server;</li> <li>• GeoServer;</li> <li>• Google Earth;</li> <li>• ArcGIS Server; and</li> <li>• Geodatabase, FME.</li> </ul>	3	<p>2 products = 1 point</p> <p>3 products to 4 products = 2 points</p> <p>&gt;4 products = 3 points</p>		

<b>R5</b>	<p>The contractor <del>should</del><b>must</b> clearly demonstrate that the proposed resource has at least five (5) years' experience within the last ten (10) years using at least two of the following products:</p> <ul style="list-style-type: none"> <li>• GIS-related JavaScript packages such as Cesium, Leaflet and OpenLayers;</li> <li>• Popular JavaScript packages such as jQuery, requires and dojo;</li> <li>• • GIS communication protocols (WMS, WFS, etc.) and data formats such as KML and GeoJSON;</li> <li>• HTML5, CSS3, SVG and JavaScript technologies; and</li> <li>• Linux, PostGIS Database, Postgres SQL, Oracle.</li> </ul>	3	<p>2 products = 1 point</p> <p>3 products to 4 products = 2 points</p> <p>&gt;4 products = 3 points</p>		
<b>R6</b>	<p>The Contractor must clearly demonstrate that the proposed resource has experience in GIS enterprise design, development and/or support in a complex enterprise environment.</p>	3	<p>&gt; 3 to 5 years = 1 point</p> <p>&gt; 5 to 7 years = 2 points</p> <p>&gt;7 years = 3 points</p>		
<b>Total</b>	<p>Maximum Score: <del>189</del></p> <p>Minimum Score: <del>940</del></p>				

G.9 GIS SYSTEMS ARCHITECT LEVEL 2				CONTRACTOR'S RESPONSE	
ITEM #	POINT RATED CRITERIA	MAX POINTS	EVALUATION CRITERIA	DEMONSTRATED EXPERIENCE (CONTRACTOR TO INSERT DATA)	INSERT PAGE # OF RESUME
<b>R1</b>	<p>The Contractor should clearly demonstrate that the proposed resource has one of the following academic credentials:</p> <ul style="list-style-type: none"> <li>• A degree from a recognized university in the sciences,</li> </ul>	3	<p>Diploma= 2 points</p> <p>Degree = 3 points</p>		

	<p>engineering or information management, or</p> <ul style="list-style-type: none"> <li>A diploma (minimum 2 years) from a recognized college in the sciences, engineering or information management</li> </ul> <p>To demonstrate this requirement, the bidder must provide a copy of the degree or diploma with their bid.</p>				
<b>R2</b>	<p>The Contractor should clearly demonstrate the proposed resource has a specialised Degree or Diploma in GIS.</p> <p>To demonstrate this requirement, the bidder must provide a copy of the degree or diploma with their bid.</p>	<del>23</del>	<p>GIS Diploma= 1 point</p> <p>GIS Degree = 2 points</p>		
<b>R3</b>	<p>The Contractor should clearly demonstrate the proposed resource has one of the following professional GIS certifications:</p> <p>A. Geographic Information Systems Professional (GISP)</p> <p>B. Esri Technical Certification in:</p> <ul style="list-style-type: none"> <li>Desktop;</li> <li>Developer; or</li> <li>Enterprise.</li> </ul> <p>To demonstrate this requirement, the bidder must provide a copy of the certifications with their bid.</p>	4	<p>GISP certificate = 1point</p> <p>ESRI Desktop Certification = 1 point</p> <p>ESRI Developer Certification = 1 point</p> <p>ESRI Enterprise Certification = 1 point</p>		
<b>R4</b>	<p>The Contractor should clearly demonstrate the proposed resource has experience planning, designing and building a GIS enterprise architecture design for a complex enterprise environment.</p> <p>A complex enterprise environment refers to interconnected systems of various services perhaps spanning different geographical locations and enterprise</p>	3	<p>2 products = 1 point</p> <p>3 products to 4 products = 2 points</p> <p>&gt;4 products = 3 points</p>		

	meaning the scale of its user base is over 10 thousand users.				
<b>R5</b>	<p>The Contractor should clearly demonstrate the proposed resource has at least one (1) year experience within the last five (5) years building systems with at least two of the following products</p> <ul style="list-style-type: none"> <li>• Map server;</li> <li>• GeoServer;</li> <li>• Google Earth;</li> <li>• ArcGIS Server;</li> <li>• Geodatabase; and</li> <li>• FME</li> </ul>	3	<p>2 products = 1 point</p> <p>3 products to 4 products = 2 points</p> <p>&gt;4 products = 3 points</p>		
<b>R6</b>	<p>The Contractor should clearly demonstrate the proposed resource has at least one (1) year experience within the last five (5) years building systems with at least two of the following products:</p> <ul style="list-style-type: none"> <li>• GIS-related JavaScript packages such as Cesium, Leaflet and OpenLayers.</li> <li>• Popular JavaScript packages such as jQuery, requires and dojo.</li> <li>• GIS communication protocols (WMS, WFS, etc.) and data formats such as KML and GeoJSON;</li> <li>• HTML5, CSS3, SVG and JavaScript technologies; and</li> <li>• Linux, PostGIS Database, Postgres SQL, Oracle</li> </ul>	3	<p>2 products = 1 point</p> <p>3 products to 4 products = 2 points</p> <p>&gt;4 products = 3 points</p>		
<b>Total</b>	<p>Maximum Score: <del>189</del> points</p> <p>Minimum Score: <del>940</del> points</p>				

G.9 GEOGRAPHIC INFORMATION SYSTEMS ARCHITECT LEVEL 3				CONTRACTOR'S RESPONSE	
ITEM #	POINT RATED CRITERIA	MAX POINTS	EVALUATION CRITERIA	DEMONSTRATED EXPERIENCE (CONTRACTOR TO INSERT DATA)	INSERT PAGE # OF RESUME
R1	<p>The Contractor should clearly demonstrate that the proposed resource has one of the following academic credentials:</p> <ul style="list-style-type: none"> <li>A degree from a recognized university in the sciences, engineering or information management, or</li> <li>A diploma (minimum 2 years) from a recognized college in the sciences, engineering or information management</li> <li>To demonstrate this requirement, the bidder must provide a copy of the degree or diploma with their bid.</li> </ul>	3	<p>Diploma= 2 points</p> <p>Degree = 3 points</p>		
R2	<p>The Contractor should clearly demonstrate the proposed resource has a specialised Degree or Diploma in GIS.</p> <p>To demonstrate this requirement, the bidder must provide a copy of the degree or diploma with their bid.</p>	<del>2</del> 3	<p>GIS Diploma = 1 point</p> <p>GIS Degree = 2 points</p>		
R3	<p>The Contractor should clearly demonstrate the proposed resource has one of the following professional GIS certifications:</p> <p>A. Geographic Information Systems Professional (GISP)</p> <p>B. Esri Technical Certification in:</p> <ul style="list-style-type: none"> <li>Desktop;</li> <li>Developer; or</li> <li>Enterprise.</li> </ul>	4	<p>GISP certificate = 1 point</p> <p>ESRI Desktop Certification = 1 point</p> <p>ESRI Developer Certification = 1 point</p> <p>ESRI Enterprise</p>		

	To demonstrate this requirement, the bidder must provide a copy of the certifications with their bid.		Certification = 1 point		
<b>R4</b>	<p>The Contractor should clearly demonstrate the proposed resource has experience planning, designing and building a GIS enterprise architecture design for a complex enterprise environment.</p> <p>A complex enterprise environment refers to interconnected systems of various services perhaps spanning different geographical locations and enterprise meaning the scale of its user base is over 10 thousand users.</p>	3	<p>&gt; 1 to 2 years = 1 point</p> <p>&gt; 2 to 3 years = 2 points</p> <p>&gt; 3 years = 3 points</p>		
<b>R5</b>	<p>The Contractor should clearly demonstrate the proposed resource has at least five (5) years' experience within the last ten (10) years building systems with at least two of the following products:</p> <ul style="list-style-type: none"> <li>• Map server;</li> <li>• GeoServer;</li> <li>• Google Earth;</li> <li>• ArcGIS Server;</li> <li>• Geodatabase; and</li> <li>• FME</li> </ul>	3	<p>2 products = 1 point</p> <p>3 products to 4 products = 2 points</p> <p>&gt;4 products = 3 points</p>		
<b>R6</b>	<p>The Contractor must clearly demonstrate the proposed resource has at least five (5) years' experience within the last ten (10) years building systems with at least two of the following products:</p> <ul style="list-style-type: none"> <li>• GIS-related JavaScript packages such as Cesium, Leaflet and OpenLayers;</li> <li>• Popular JavaScript packages such as jQuery, requires and dojo;</li> <li>• GIS communication protocols (WMS, WFS, etc.) and data formats such as KML and GeoJSON;</li> <li>• HTML5, CSS3, SVG and JavaScript technologies; and</li> </ul>	3	<p>2 products = 1 point</p> <p>3 products to 4 products = 2 points</p> <p>&gt; 4 products = 3 points</p>		

	<ul style="list-style-type: none"> <li>Linux, PostGIS Database, Postgres SQL, Oracle.</li> </ul>				
<b>Total</b>	Maximum Score: <del>189</del> Minimum Score: <del>940</del>				

B.5 BUSINESS PROCESS RE-ENGINEERING CONSULTANT LEVEL 3				CONTRACTOR'S RESPONSE	
ITEM #	POINT RATED CRITERIA	MAX POINTS	EVALUATION CRITERIA	DEMONSTRATED EXPERIENCE (CONTRACTOR TO INSERT DATA)	INSERT PAGE # OF RESUME
<b>R1</b>	<p>The Contractor should clearly demonstrate that the proposed resource has one of the following academic credentials:</p> <ul style="list-style-type: none"> <li>A degree from a recognized university in the sciences, engineering or information management, or</li> <li>A diploma (minimum 2 years) from a recognized college in the sciences, engineering or information management</li> </ul> <p>To demonstrate this requirement, the bidder must provide a copy of the degree or diploma with their bid.</p>	3	<p>Degree = 3 points</p> <p>Diploma = 2 points</p>		
<b>R2</b>	<p>The Contractor should clearly demonstrate that the proposed resource has experience working on projects within an IM/IT environment requiring business processes workflow design and development.</p>	3	<p>&gt; 7 to 8 years = 1 points</p> <p>&gt; 8 to 9 years = 2 points</p> <p>&gt; 9 years = 3 points</p>		
<b>R3</b>	<p>The Contractor should clearly demonstrate that the proposed resource has experience conducting project requirements gathering sessions with multiple business and IM/IT stakeholders, and documenting the current state and end-state</p>	3	<p>&gt; 7 to 8 years = 1 points</p> <p>&gt; 8 to 9 years = 2 points'</p>		

	business processes and the supporting information systems.		> 9 years = 3 points		
<b>R4</b>	The Contractor should clearly demonstrate that the proposed resource has experience designing and documenting improvements to business process or workflows and supporting systems.	3	> 7 to 8 years = 1 points > 8 to 9 years = 2 points > 9 years = 3 points		
<b>R5</b>	The Contractor should clearly demonstrate that the proposed resource has experience working with software tools in an IM/IT environment that are designed to create business process designs and workflows.	3	> 7 to 8 years = 1 points > 8 to 9 years = 2 points > 9 years = 3 points		
<b>R6</b>	The Contractor should clearly demonstrate that the proposed resource has following valid professional certifications: <ul style="list-style-type: none"> <li>Information Technology Infrastructure Library (ITIL) Essentials/Foundation certification;</li> <li>Certified Business Analysis Professional (CBAP); and</li> <li>PMI Professional in Business Analysis (PMI-PBA).</li> </ul>	3	1 certification = 1 point <del>2 certifications = 2 points</del> > <del>12</del> certifications = 3 points		
<b>Total</b>	Maximum Score: 18 points Minimum Score: 9 points				

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME