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

## **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 SECURITY  
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**Issuing Office - Bureau de distribution**  
Science Procurement Directorate/Direction de  
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11C1, Phase III  
Place du Portage  
11 Laurier St. / 11, rue Laurier  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> ARMOUR TDP	
<b>Solicitation No. - N° de l'invitation</b> W7714-115274/E	<b>Amendment No. - N° modif.</b> 006
<b>Client Reference No. - N° de référence du client</b> W7714-115274	<b>Date</b> 2013-05-16
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$\$V-051-25450	
<b>File No. - N° de dossier</b> 004sv.W7714-115274	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2013-05-30</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT
<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> Kate Mulligan	<b>Buyer Id - Id de l'acheteur</b> 004sv
<b>Telephone No. - N° de téléphone</b> (819) 956-1325 ( )	<b>FAX No. - N° de FAX</b> (819) 997-2229
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<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

This solicitation amendment is raised to:

- i. address any new questions received and questions not previously addressed in solicitation amendment 005.

## Questions and Answers

### Q130.

#### Part 7 – Resultant Contract Clauses

Can Canada incorporate the f liability clause (from SACC clause N0000C) into the Resulting Contract Clauses.

### A130.

No, Canada will not incorporate the f liability clause (from SACC clause N0000C) into the Resulting Contract clauses. The majority of the Work will be conducted at the Contractor's facilities. Three (3) demonstrations may be conducted at Defence Research and Development Canada (DRDC) on a segment of DRDC's Defence Research Establishment Network (DREnet) or in a testing environment, which are contained and monitored by DRDC. DRDC will be taking the required precautions to ensure that any demonstrations conducted on DRDC's DREnet segment will not negatively impact the DREnet as a whole. In addition, DRDC will routinely monitor the DREnet and perform routine back-ups as per standard departmental procedures.

### Q215.

The STS states: "different operators will be able to be involved in the proactive and reactive cycles, and they may set the costs differently for proactive and reactive cycles" (section 3.2.4). Does this mean that within each cycle (proactive or reactive) there is only one budget? More specifically, can individual operators within a single analysis cycle (e.g. proactive) be able to specify a different budget or is a budget universally defined for the cycle as a whole?

### A215.

The requirement for a configurable budget is defined in GR18. Although a configurable budget is specified, the scope and details of the term "configurable" will depend on the bidder's proposed solution.

### Q216.

The RFP uses various terms to describe proactive versus reactive. In the STS alone, these concepts are referred to as "cycles" (3.2.1.1), "situations" (3.2.1), "modes" (3.2.2.1), and "analysis" (3.2.3.2). The used of the term "mode" implies an exclusive operating state. Could DRDC confirm that processing for proactive and reactive modes are not exclusive and are expected to take place concurrently?

**A216.**

Yes, the processing for proactive and reactive modes are not exclusive and are expected to take place concurrently in the ARMOUR solution. The reactive mode is expected to leverage the proactive outputs. If the proactive mode is calculating, for example, a new attack path, an older version of the network attack paths may need to be used to deal with the reactive mode requirements. It is anticipated that the bidder's design will deal with any concurrency issues that may arise between Proactive and Reactive mode processing. The exception to this is in the case of Proactive Mode being used for "speculative analysis" as identified in GR3 and GR4 in which Proactive mode operation may be isolated from Reactive Mode.

**Q217.**

Table C-1 on page 137 of the RFP provides a description of the Senior WEB Developer role. In addition the requirements for this role are further elaborated on in page 146 - Resource Category Requirements. We had initially understood that the role of this individual is to be the expert on web services which is a key element for communication in the ARMOUR software framework. However, the above 2 descriptions appear also discuss the requirement for this role to develop websites. Can Canada clarify its intent for this role? Often the two types of resources have different skill sets. The individuals who design and develop websites would be different from the individuals who have a strong skill set in web services, service oriented architectures etc. Also, what specific website work would this individual carry out? Is it for the open source website?

**A217.**

The Senior WEB Developer category is not identified as a required position in response to the Basic Requirement. For the Basic Requirement, bidders are expected to build an appropriate team including the Key Technical Personnel, augmented as deemed necessary by the bidder to meet the proposed delivery of the Basic Requirement. The Senior WEB Developer may be identified on a task-by-task basis in support of the Optional Services Requirement. It is envisioned this will be primarily in support of web services aspects of the ARMOUR Integration Framework, but may involve broader expectations as described in the solicitation.

In support of the Optional Services Requirement, the Contractor will be expected to provide an appropriately qualified resource for the specified task. In most cases, basic website work (e.g., building web pages, populate the Web site utilizing templates, standard graphics, develop new forms, graphics and documents) will be expected of the Webmaster resource category instead of the Senior Web Developer.

**Q218.**

Section 1.13 of Appendix A in the RFP describes the model for the licensed community code hosting and maintenance model. The description in 1.13 says that the code repository should be hosted on servers offering "free hosting services". At the same time, a few lines below it says the Contractor should maintain access controls to those who are granted a license to use the code. We are not aware of any code repository sites which offer free hosting and allow restricted access. The well known sites (e.g. google code, sourceforge etc.) which offer free code repository

and hosting services require free unrestricted access to the source code. Can Canada provide examples of code repository providers which meet the criteria of free service but controlled access?

**A218.**

It is the bidder's responsibility to identify an appropriate hosting service that meets the solicitation requirements. SourceForge is one such example. Although not clearly documented, in 2012 SourceForge added support for private and user level access control in their User Permissions feature.

**Q219.**

Appendix D of the RFP suggests that for the Basic Requirement (and the Optional Services Requirement) tasks may be assigned only to the resources listed in Table D-1 (i.e., the "complete enumeration of Resource Categories"). Based on the nature of the work, it is envisioned that additional categories will be required. These could include, for example, configuration management specialists, requirements database administrators, system engineers, technicians or technologists, FSRs, etc. For planning and estimating purposes and delivery of the work during the Basic Requirement, will DRDC recognize and accept additional resource categories?

**A219.**

The only mandatory resource categories from Appendix D required in response to the Basic Requirement are those identified as "Key Technical Personnel" as shown in the point rated evaluation criteria 2.2.2. Aside from these identified resources, the Bidder is free to staff the resources to meet the Basic Requirement with other qualified resources and categories as needed to meet the proposed solution. Bids will only be evaluated against the resource categories identified within the solicitation.

**Q220.**

In section 1.15, it is stated that the Contractor must supply software images for the DRDC Cyber Operations Section Lab at the end of each development phase. It is also stated that "Any hardware components (e.g. data sources, effectors) required to run the solution must be provided as part of the lab version of the solution." Is DRDC supplying the hardware on which the software images will run or is the Contractor responsible for supplying all hardware for the Cyber Operations Lab?

**A220.**

The Contractor is responsible for the delivery of a suitable virtualization environment within the Cyber Operations Lab. DRDC has the following equipment available for use by the Contractor for this purpose if desired:

- Dell PowerEdge R410
- Processor: 2 X Intel Xeon E5630 CPU (quad core)

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- Memory: 48GB
  - Networking: 2 NIC ports
  - Storage: 2 X 130GB 10K RPM SAS Hard Drives (configured as RAID 1)
  - Software/Services: ESXi 4.1
  
  - Dell PowerVault MD3200i iSCSI SAN
  - Storage configuration: RAID 0+1 using 4 600 GB 15K RPM SAS Hard Drives (1.116 TB effective)
  
  - 3COM Baseline Switch 2928-SFP Plus

Supporting hardware that may be required, such as data sources and effectors, must be provided as part of the solution.

**Q221.**

In section 1.15, it is stated that the Contractor must supply software images as virtual machines. Is the Contractor free to choose the virtualization product that will host these images?

**A221.**

DRDC has a lab environment that is utilizing VMware products. The Contractor is free to choose any virtualization provide to host the images, but if the Contractor wishes to use other virtualization products, the other products would need to be provided as part of the proposed solution.

**Q222.**

In section 1.10, it is stated that "For existing Data Sources and Effectors used in the Contractor solution, the Contractor may use the existing operational products for the operational demonstrations. However, the Contractor must integrate the available Data Sources and Effectors into their solution and ensure a functional demonstration can be packaged without dependencies on the operational demonstration environment." Will the Contractor have access to the DREnet throughout the course of the contract so as to verify and validate simulated data against actual operational sources?

**A222.**

The successful bidder will have access to the DREnet during the 3 demonstration phases of the project. Outside of those demonstrations, access to the DREnet and the data sources will not be permitted.

**Q223.**

We have been reading the recent RFP amendments with interest. The answers to some of those questions have had significant impact on our solution, and we request a minimum 2 week extension so that we can make the necessary adjustments in order to deliver a proposal with

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W7714-115274/E

Amd. No. - N° de la modif.

006

Buyer ID - Id de l'acheteur

004sv

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File No. - N° du dossier

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CCC No./N° CCC - FMS No/ N° VME

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maximum value to Canada. Given the large volume of amendments, we hope that you will consider this request favourably.

**A223.**

Canada will not be further extending the solicitation period at this time.