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Canada Revenue Agency
Agence du revenu du Canada
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Proposal to: Canada Revenue Agency
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 and/or attached hereto, the goods and/or services listed herein and on any attached sheets at the price(s) set out therefor.

Proposition à : l'Agence du revenu du Canada
Nous offrons par la présente de vendre à Sa Majesté la Reine du Chef du Canada, en conformité avec les conditions énoncées dans la présente incluses par référence dans la présente et/ou incluses par référence aux annexes jointes à la présente et ci-jointes, les biens et/ou services énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Bidder's Legal Name and Address - (ensure the Bidder's complete legal name is properly set out)
Raison sociale et adresse du Soumissionnaire - (s'assurer que le nom légal au complet du soumissionnaire est correctement indiqué)

Blank lines for bidder's legal name and address.

Bidder is required to identify below the name and title of the individual authorized to sign on behalf of the Bidder - Soumissionnaire doit identifier ci-bas le nom et le titre de la personne autorisée à signer au nom du soumissionnaire

Name /Nom

Title/Titre

Signature

Date (yyyy-mm-dd)/(aaaa-mm-jj)

Telephone No. - No de téléphone

Fax No. - No de télécopieur

E-mail address - Adresse de courriel

AMENDMENT TO REQUEST FOR PROPOSAL / MODIFICATION DE DEMANDE DE PROPOSITION

Form containing amendment details: Title - Sujet (Acceptance Testing Automation Software), Solicitation No. (1000345889), Date (2019-05-10), Amendment No. (01), Solicitation closes (May 28, 2019 at 2:00 P.M.), Time zone (EST), Contracting Authority (Tatjana Marinkovic), Telephone No. (613) 995-4781, Destination (See herein).



SOLICITATION AMENDMENT #01

This solicitation amendment is raised to:

1. Address the following questions submitted during the solicitation period as per RFP; and
 2. Amend the RFP.
-

1. QUESTIONS AND ANSWERS

Q1. Generally, enterprise level solutions provide optimized preconfigured integration with other testing and test management solutions (such as Jenkins, JIRA, IBM, TFS etc.) via standard plugins. These plugins, or integration points, which are typically designed to alleviate additional integration & customization efforts by customers, do cover most common use-case enterprise-level scenarios. Would you please elaborate on your specific use cases that requires RestAPI integration?

A1. M5 has been deleted. See RFP Amendment #01.

Q2. JIRA Software Data Center generally requires add-ons/options for storage of test cases. Please indicate which add-ons/options CRA leverages in the JIRA Software Data Center to store test cases?

A2. CRA uses SynapseRT as the Test Case Manager add-on to Jira Data Center. See also the revised M19 under RFP Amendment #01.

Q3. Does the CRA leverage GIT as the general SCM (source control management) for scripting assets?

A3. No.

Q4. Acceptance Testing Automation: Please clarify the phrase "no programming knowledge would be required". Virtually every open-source or commercial test automation platform has a programming language to facilitate complex tasks or integration.

A4. "No programming knowledge would be required" means that a tester/user can record and playback test scripts without having to create them programmatically.

Q5. Could the CRA please clarify this requirement?

(a) An API is a communication mechanism between applications, and is typically implemented as an HTTP server to receive/process GET/PUT/POST/DELETE requests for data. As such, it is the server (typically a system like Jenkins or a test management tool) that implements the API, not the test tool itself.

(b) since integration is not mentioned elsewhere in the mandatory requirements, the requirement for a REST API for test tool integration, without allowance for other integration methods, is contradictory to Section 1.0 for a "no-programming required" approach.

[i] Jenkins offers REST access as well as pre-built plugins. Many vendors provide Jenkins plugins for integration so that users can avoid the programming complexity of building an integration using REST APIs. It is not clear why CRA prefers to REST over using plugins.



[ii] Some vendors will offer a REST API integration because they haven't built integrations themselves, or don't want to build and test them themselves. This means that any integrations built this way aren't covered by their annual support/maintenance agreements. This effectively downloads the cost of building, testing and maintaining those integrations to the user (in this case CRA).

We suggest changing the wording to "uses a standard REST API, integration or plugin" to address the ambiguity in the wording and the issue with regards to integration.

- A5. See RFP Amendment #01 as M5 has been deleted. See also the revisions made to M18 and M19.
- Q6.** It's unclear what is meant by the requirement and how CRA would like vendors to substantiate it. Virtually every application in Windows executes independently of others. What dependency is CRA looking to avoid?
- A6. See RFP Amendment #01 for revised M8.
- Q7.** Please confirm which terminal emulator software and whether this is 3270, 5250 or VTxxx protocol?
- A7. The terminal emulation software used by CRA is Reflections and it emulates 3270.
- Q8.** In order to provide an appropriate response we have found some inconsistencies in this requirement for which we require clarification:
- [a] The acceptance testing automation software is responsible for execution, not test management. Requirement M19 describes a test management requirement.
- [b] JIRA is a project management system that tracks project status and issues, not test assets for automation. Such a capability would require artifact management, version control and baselining, which JIRA does not do. Rather, this is typically done with an external source-code management system (or a test management system), or just a Windows file system. Example repository types include Git, SVN, etc.
- Please specify what repository type Jenkins will be using for test cases, if any.
- A8. Please see RFP Amendment #01 for revised M19 and also refer to section 1.0 – Definitions of Appendix 1 of the RFP.
- Q9:** Is the scope of automation testing 200,000 test cases?
- A9: This was provided for informational purposes only. Providing this information is not relevant for the purposes of this RFP.
- Q10:** Please provide a break-up on the percentage of low / medium / high complexity test cases for mentioned 200,000 test cases if any. Also please provide an idea around definition of complexity for each (Ex: No. of Test steps, test data etc.)
- A10: Providing this information is not relevant for the purposes of this RFP.



Q11: In which tool are the manual test cases stored presently?

A11: Providing this information is not relevant for the purposes of this RFP.

Q12: Would it be possible to share the sample format of test cases ?

A12: No.

Q13: Is there any Categorization of test cases. Ex: Sanity, Functional, Regression?

A13: Providing this information is not relevant for the purposes of this RFP.

Q14: Please confirm the application under test technology landscape . As mentioned, is it Java, Web and Mainframes only? What would be the percentage of applications falling under each technology?

A14: Providing this information is not relevant for the purposes of this RFP.

Q15: Does the E2E test flow include different technologies? Could you share the overall architecture diagram along with interdependencies and data flow between various applications?

A15: Providing this information is not relevant for the purposes of this RFP.

Q16: Are there test cases available for API testing?

A16: No.

Q17: Is Database testing in automation scope?

A17: No.

Q18: Does the JIRA Software Data Center have any test management plugin?

A18: Refer to response to Question #2.

Q19: Is the PoC scope defined and whether will get the test cases in advance?

A19: See step 5 entitled “Proof of Proposal Testing” of section 4.2 of the RFP.

Q20: Whether automation implementation is in place for any projects. If yes, Can we get the details of existing automation frameworks in use (Design, tool, sample test scripts, test automation documents)

A20: Yes, refer to the definitions section 1.0.

Q21: Whether E2E test automation (integration testing of different components)will be considered.

A21: Providing this information is not relevant for the purposes of this RFP.



Q22: Scope of automation testing (whether only regression or both functional and regression)

A22: Providing this information is not relevant for the purposes of this RFP.

Q23: Are the business critical application(s) under test stable enough to consider functional test automation?

A23: Providing this information is not relevant for the purposes of this RFP.

Q24: Whether mobile suite of applications are also considered for test automation

A24 : Providing this information is not relevant for the purposes of this RFP.

Q25 : Whether there will be separate environments for test automation development and execution.

A25: Providing this information is not relevant for the purposes of this RFP.

Q26: Is the duration of this program only 2 years?

A26: See sections 6.3.1, 6.3.2 and 6.3.3 of the RFP.

Q27: How is the test data management handled?

A27: Providing this information is not relevant for the purposes of this RFP.

Q28: Does CRA have preference for any specific COTS tool ? If yes, please specify.

A28: No.

Q29: How does test management happen in current CRA projects?

A29: Providing this information is not relevant for the purposes of this RFP.

Q30: Based on our experience, we have found that most enterprise level solutions provide optimized preconfigured integration with other testing and test management solutions (such as Jenkins, JIRA, IBM, TFS etc.) via standard plugins. These plugins, or integration points, which are typically designed to alleviate additional integration & customization efforts by customers, do cover most common use-case enterprise-level scenarios. Could you please elaborate on your specific use cases that requires RestAPI integration?

A30: See response to Question #1.

Q31: JIRA Software Data Center generally requires add-ons/options for storage of test cases. Please indicate which add-ons/options CRA leverages in the JIRA Software Data Center to store test cases?

A31: See response to Question #2.



Q32: Does the CRA leverage GIT as the general SCM (source control management) for scripting assets? If not, what tool is used?

A32: See response to question #3. Providing this information is not relevant for the purposes of this RFP.

2. AMENDMENTS TO THE RFP

1. At Page 1 (front page);

Delete:

Solicitation closes on

May 21, 2019
at 2:00 P.M.

Replace with:

Solicitation closes on

**May 28, 2019
at 2:00 P.M. / 14 h**

2. At Section 2.4 entitled Communications – Solicitation Period SACC A0012T (2014-03-01);

Delete:

“All enquiries must be submitted to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.”

Replace with:

“All enquiries must be submitted to the Contracting Authority no later than May 15, 2019. Enquiries received after this date may not be answered.”

3. At Appendix 1 entitled Mandatory Criteria, make the following revisions:

3.1 Delete M 5 in its entirety.



3.2 Delete M 8 in its entirety and Replace with:

Req. No.	Requirement Description	Compliant		Reference:
		Yes	No	
				<p>Bidders should indicate the precise location of the substantiation in this "Reference" column. Note: Substantiation could include examples submitted with the bid.</p> <p>In the event that there is no substantiating documentation the Bidder must describe how the requirement is met either in the "Reference" column or within their bid unless indicated by CRA that no substantiation is required.</p>
M 8	Each installation of the Acceptance Testing Automation software must be fully functional and not require contact or enablement from a control service elsewhere.			

3.3 Delete M 18 in its entirety and Replace with:

Req. No.	Requirement Description	Compliant		Reference:
		Yes	No	
				<p>Bidders should indicate the precise location of the substantiation in this "Reference" column. Note: Substantiation could include examples submitted with the bid.</p> <p>In the event that there is no substantiating documentation the Bidder must describe how the requirement is met either in the "Reference" column or within their bid unless indicated by CRA that no substantiation is required.</p>
M 18	The Acceptance Testing Automation software must execute a recorded test without user intervention when initiated by the Automation Framework.			



3.4 Delete M 19 in its entirety and Replace with:

Req. No.	Requirement Description	Compliant		Reference:
		Yes	No	
				<p>Bidders should indicate the precise location of the substantiation in this "Reference" column. Note: Substantiation could include examples submitted with the bid.</p> <p>In the event that there is no substantiating documentation the Bidder must describe how the requirement is met either in the "Reference" column or within their bid unless indicated by CRA that no substantiation is required.</p>
M 19	The Acceptance Testing Automation software must produce test results that the Automation Framework or the Acceptance Testing Automation Software itself can transfer to a specifiable issue in JIRA Software Data Center.			

3.5 Delete M 22 in its entirety and Replace with:

Req. No.	Requirement Description	Compliant		Reference:
		Yes	No	
				<p>Bidders should indicate the precise location of the substantiation in this "Reference" column. Note: Substantiation could include examples submitted with the bid.</p> <p>In the event that there is no substantiating documentation the Bidder must describe how the requirement is met either in the "Reference" column or within their bid unless indicated by CRA that no substantiation is required.</p>
M 22	<p>When transmitting data through the RESTful* Application Programming Interface (API), the Acceptance Testing Automation software must use transmission session encryption utilizing Transport Layer Security (TLS) 1.2.</p> <p>*Representational state transfer (REST) or RESTful web services</p>			



4. At Annex A entitled Statement of Requirements, make the following revisions:

4.1 Delete Requirement 5 in its entirety.

4.2 Delete Requirement 8 in its entirety and **Replace with:**

Req. No.	Requirement Description
8	Each installation of the Acceptance Testing Automation software must be fully functional and not require contact or enablement from a control service elsewhere.

4.3 Delete requirement 18 in its entirety and **Replace with:**

Req. No.	Requirement Description
18	The Acceptance Testing Automation software must execute a recorded test without user intervention when initiated by the Automation Framework.

4.4 Delete requirement 19 in its entirety and **Replace with:**

Req. No.	Requirement Description
19	The Acceptance Testing Automation software must produce test results that the Automation Framework or the Acceptance Testing Automation Software itself can transfer to a specifiable issue in JIRA Software Data Center.

4.5 Delete requirement 22 in its entirety and **Replace with:**

Req. No.	Requirement Description
22	When transmitting data through the RESTful* Application Programming Interface (API), the Acceptance Testing Automation software must use transmission session encryption utilizing Transport Layer Security (TLS) 1.2. *Representational state transfer (REST) or RESTful web services

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED