



REQUEST FOR INFORMATION SOFTWARE TESTING TOOL

1. OBJECTIVE OF THE RFI

The Panama Canal Authority (ACP), as part of a market survey, is seeking information for interested parties willing, ready and able to participate in a public online bid for the procurement of three floating licenses for a software testing tool.

As part of this market survey, ACP seeks to obtain preliminary market information and expressions of interest. This is not a Request for Proposal (RFP), there is no tender process at this stage.

Responders are advised that the ACP will not pay for any information or administrative costs incurred in response to this RFI, all costs associated with responding to this RFI will be solely the interested party's expense. Not responding to this RFI does not preclude participation in any further RFP, if any is issued. If a solicitation is released, it will be posted on the ACP's Website Procurement and Sales page. It is responsibility of any potential offerors to monitor this site for additional information pertaining to this procurement.

2. BACKGROUND

The Functional Systems Division (TDF) of the Digital Transformation Vice Presidency (TD) is responsible of planning, designing, development and implementation of technical solutions within the ACP.

The solutions can be developed in a variety of platforms. Most of the solutions automate areas of processes, which means that one single process can interact with multiple solutions.

The life cycle development process in ACP is supported by Atlassian products like Jira, Zephyr, Bitbucket and Bamboo.

The Quality Assurance and Quality Control team designs, develops and documents tests cases in Zephyr, which is a manual testing tool.

Due to an increase in the project portfolio, TDF needs to procure a software testing tool that will speed up the QC process and facilitate the development of complex test scenarios.

In conclusion, ACP is looking for an off-the-shelf-solution that allows design, develop and run automated tests for all their systems or E2E processes.

3. GENERAL INFORMATION

- a. Due to our E2E processes can involve multiple applications, the tool should support multiple platforms.
- b. Due to our development software cycle is supported by Atlassian tools, such as Jira, Zephyr, Bitbucket and Bamboo, integration with these tools is required.
- c. Due to our systems handle sensitive data, the product should be installed in our Data Center (on premise) and must comply with the security guidelines established by the ACP.
- d. Due to some applications can reside outside of the ACP domain, the same security considerations required in the previous bullet must be provided.
- e. Due to all data is property of the ACP and this information must be treated as confidential information, the system must allow the encryption of the testing data.

4. CONSIDERATIONS

- a. ACP has desktop, mobile and web applications developed in multiple platforms:
 - i. Desktop applications use .net framework and/or Oracle forms and Oracle reports.
 - ii. Web applications use browsers such as Internet Explorer 11 or above, Google Chrome and Mozilla among others.
 - iii. Web applications may call screens developed in Java, Javascript, Oracle forms and/or another software development platforms.
 - iv. Web applications tests must support multi-domain/inter-domain
 - v. Support for Oracle e-business suite must be provided.
- b. Development tools which are used in ACP includes: Genexus, Visual Studio, ASP.Net Core 3.1, WebLogic and JDeveloper, Fussion Middleware, Oracle forms and reports Oracle ADF, PL/SQL. Oracle SQL Developer, Tableau and Cognos, Java.

5. TECHNICAL SPECIFICATIONS

Please fill out the following table with your answers on how you comply with the requirements.

Please include references to any supporting documentation that demonstrates how the requirement is fulfilled.

Requirement	Specs compliance
Support for testing .net framework Windows Forms applications	
Support for testing Windows Desktop Applications	

Support for testing web applications using Internet Explorer, Google Chrome and Mozilla Firefox	
Support for testing Oracle E-Business Suite	
Support for testing Oracle Forms using Java Web Start and the Forms Standalone launcher	
Support for testing web applications using HTML5, AJAX, React, and Angular	
Support for testing scenarios in which more than one application is involved. Can be more than one domain and/or more than one technology	
Support for Data-Driven Testing	
Built-in Data Generator	
Test Results Reporting	
Support for creation of automated tests through drag-and-drop	
Support for Automated Test Reuse	
Support for Integration with a Continuous Delivery Pipeline	
Support for Cross-Browser Testing	
Support for Recording & Replaying of Tests	
Support for GUI Object recognition	
Support for writing testing scripts in Java, JavaScript, Python, C#	
Online technical support	
Mobile app test automation for Android and iOS.	
Create and run UI tests on mobile devices using Android and iOS.	
Run UI Tests on Real Mobile Devices or Emulators	
CI/CD integration and test scheduling	

6. ECONOMIC INFORMATION

This will be a one year licensing, maintenance and support contract, with renewable options for up to (4) years at ACP discretion and according with the terms and conditions of the request for proposal (RFP).

The economic information should include prices for the five years:

ITEM	QUANTITY	PRICE IN USD
Licensing for three floating licenses	3	
Training for three users	3	
Support and maintenance year 2 (optional)		
Support and maintenance year 3 (optional)		
Support and maintenance year 4 (optional)		
Support and maintenance year 5 (optional)		

7. TERMS AND CONDITIONS

All terms and conditions of the product should be included in the response to this RFI.

8. RESPONSE

The answer to this RFI should be submitted in writing by email to ALMEDINA@PANCANAL.COM with sections 5, 6 and 7 completely filled out and submitted no later than April 26, 2021.