OGC®

Open Geospatial Consortium (OGC)

Request for Quotations (RFQ)

and

Call for Participation (CFP)

for

OGC Testbed 10
OGC Web Services Phase 10 (OWS-10)

RFQ Issuance Date: 15 July 2013

Proposal Due Date: 26 August 2013

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1 Introduction

1.1 Purpose

The Open Geospatial Consortium (OGC®) has released this Request for Quotation / Call for Participation (RFQ/CFP) in order to solicit proposals in response to a refined set of requirements for the OGC Testbed 10 - OGC Web Services Initiative Phase 10 (OWS-10). The OGC, on behalf of the project sponsors, will provide cost-sharing funds to partially offset expenses uniquely associated with the initiative, thus the solicitation is for quotations from bidders wishing to receive cost-sharing. However, not all proposals are expected to seek cost-sharing. OGC intends to involve as many participants in the initiative as possible, to the extent each participant can enhance and/or make use of the initiative outcomes, so the solicitation is also open to participants wishing to advance the synergy of the overall initiative.

1.2 Background

The OGC is engaged in an Interoperability Program which is a global, hands-on and collaborative prototyping program designed for rapid development and delivery of proven candidate specifications into OGC's Specification Program, which can then be formalized for public release. In OGC's Interoperability Initiatives, international technology developers and providers team together to solve specific geo-processing interoperability problems posed by the initiative's sponsoring organizations. OGC Interoperability Initiatives include test beds, pilot projects, interoperability experiments, and interoperability support services – all designed to encourage rapid development, testing, validation and adoption of open, consensus based standards specifications.

The policies and products that define the OGC Interoperability Program are available here: http://www.opengeospatial.org/ogc/policies/ippp

In December of 2012, the OGC issued a call for sponsors for the OGC Testbed 10 interoperability initiative to advance OGC's open framework for interoperability in the geospatial industry. Several physical and virtual meetings were conducted with potential OGC Testbed 10 sponsors to review the OGC technical baseline, discuss OWS-9 results, and identify OGC Testbed 10 requirements. After analyzing the sponsors input, the OGC Interoperability Team recommended to the sponsors that the content of the OGC Testbed 10 be organized around the following threads:

1) Cross-Community Interoperability (CCI) Thread

2) Open Mobility Thread

3) Aviation Thread

1.3 The RFQ/CFP Documents and Process

The RFQ/CFP consists of the following documents:

- Annex A: list of sponsor requirements, along with a Work Breakdown Structure intended to achieve those requirements

- Annex B: initial architecture for the initiative established by the OGC Testbed 10 Management team (consisting of OGC IP Team and the sponsors)

- Annex C: Concept of Operations for the initiative

- Annex D: Communication Plan for the initiative

Any organization interested in participating in the Testbed shall respond with a proposal. Instructions for submitting proposals are provided in Section 3.

The limited cost-sharing funding available is intended to partially offset engineering costs incurred by participants in support of this effort. **No funds shall be used to procure any proprietary hardware or software associated with this effort.**

1.4   Benefits to Participants

The OGC Testbed 10 provides a business opportunity for vendors, users, and other interested parties to mutually define/refine/evolve services, interfaces and protocols (as Engineering Reports (ERs)) in the context of a hands-on engineering experience in an agile development setting expected to shape the future of geospatial Web Services software development and Web data publication. The sponsors are supporting this vision with cost-sharing funds to partially offset development costs associated with this capability and interoperable web service demonstrations. This offers OGC members a unique opportunity to recoup a portion of their expenses related to the OGC Testbed 10.

1.5   Intellectual Property in the Testbed

The OGC Testbed 10 will be conducted in accordance with the OGC Intellectual Property Rights Policy and Procedures that can be found here: http://www.opengeospatial.org/about/ipr

It is the objective of the testbed to support the OGC Standards Program in the development and publication of open standards.   Participants in the Testbed will be required to allow OGC to publish documents based in whole or in part upon any intellectual property contributed by Participant in connection with the Testbed ("Participant IP").   OGC shall be the owner of the copyright of any documentation from the Testbed. Participants will be required to grant OGC a perpetual, non-exclusive, royalty-free license, with right to sublicense, to the patent rights in any Participant IP to the extent incorporated in, and necessary for the use of, the Specification. Beyond these requirements, Participants retain ownership in all Participant IP, including all patent, trade secret, copyright and other intellectual property rights in the Participant IP.

1.6   OGC Membership

Proposing organizations must be OGC members and familiar with the OGC mission, organization, and process. Proposals from non-members will be considered, if a completed application for OGC membership or a letter of intent to become a member is submitted prior to or along with the proposal.

1.7   Participant Roles in the Testbed

There are several possible roles that organizations may play in the initiative as participants. These are:

 Developer of one or more software components implementing interfaces and protocols agreed in the early stages of the initiative for one or more of the services described in Annexes A and B,
 Developer of demonstrations and tests of the implemented software components, and/or
 Provider of data, personnel, software, hardware, or facilities that will contribute to the overall success of the initiative.

Participants should propose specifically against funded deliverables defined by the sponsors (see Annex A), but may go beyond that to request and propose in-kind contributions that address unfunded requirements. Participants should note that sponsors are only committed to funding deliverables labeled as funded in this current RFQ.

2　Master Schedule

The following table details the major events associated with OGC Testbed 10 and this RFQ:

OGC Testbed 10 Milestones	Completion Date
RFQ Issued	15 July 2013
Q&A Webinar	6 August 2013
Clarifications Posted and final questions due	12 August 2013
RFQ Responses Due	26 August 2013
Participant selection complete	16 September 2013
Kickoff Workshop – Aviation Thread	27 September 2013
Kickoff Workshop – CCI and Open Mobility Threads	7-9 October 2013
Preliminary Design and Implementations	6 January 2014
Final Delivery (all deliverables due including demo materials)	30 April 2014
Demonstration (details TBD)	April/May 2014

3   Proposal Submission Information

3.1   General Terms and Conditions

Documentation submitted in response to this RFQ will be distributed to members of OGC staff, the IP Team, and sponsor staff. Submissions will remain in the control of this group and will not be used for other purposes without prior written consent of the proposing organization. Please note that you will be asked to release the content of your proposal (less financial details) once you agree to participate in the testbed effort. Proprietary and confidential information must not be submitted under this request.

Participants will be selected to receive cost sharing funds on the basis of adherence to the requirements stipulated in this RFQ and the overall quality of their proposal. The primary objective of testbed Sponsors is to use cost sharing funds to promote the development of open consensus standards based on successful implementation and demonstration. Respondents are asked to define the migration path for producing operational solutions. Those proposing organizations not selected for cost sharing funds are encouraged to participate in the initiative on an in-kind basis.

Each organization with a role in the initiative shall sign a Participation Agreement with OGC that outlines roles and responsibilities of each participant and includes a statement of work (SOW). By doing so, participants will agree to work together for the realization of the OGC Testbed 10 goals and for the benefit of the industry. Draft versions of the Participation Agreement and SOW are available to interested parties. Further details on this issue are found in the Concept of Operations (Annex C).

3.2   Response Instructions

To be considered all responses to this request shall be "complete"; i.e., your response must provide all information requested in Section 4. Responses shall use the response template provided in the RFQ package. The response shall consist of a technical volume and a cost volume. Reviewers will be instructed to not read or evaluate any materials in excess of the page limits.

3.3   How to Transmit your Response

Transmit an electronic copy of your proposal to the OGC Technology Desk (techdesk@opengeospatial.org). Microsoft Word® 2003 for Windows, 2004 for Macintosh or higher format is preferred; however, Portable Document Format or Rich Text Format is acceptable.

Proposals must be received at OGC before the date in the OGC Testbed 10 Master Schedule (Section 2).

3.4   Questions and Clarifications

Questions and requests for clarification should be sent electronically to the OGC Technology Desk (techdesk@opengeospatial.org). All clarifications will be posted to the OGC Testbed 10 RFQ/CFP announcement page (http://www.opengeospatial.org/standards/requests/103). Questions must be submitted before the date in the OGC Testbed 10 Master Schedule (Section 2).

3.5   Reimbursements

The OGC will not reimburse organizations for any costs incurred in connection with preparing proposals in response to this RFQ, or for travel to or from the Kickoff or demonstrations.

4   Proposal Format and Content

As part of this RFQ archive you will find two templates: the response template and a single spreadsheet template for both the cost sharing request and in-kind contributions. <u>Proposing organizations shall use these templates in preparing their proposals</u>. The proposal should follow the outline:

Technical Proposal

☐   Cover page
☐   Overview (Not to exceed two pages; will not contribute to technical evaluation)
☐   Proposed contribution (Basis for Technical Evaluation)
    ☐   Cross-Community Interoperability (CCI) Thread (Not to exceed seven pages)
    ☐   Open Mobility Thread (Not to exceed seven pages)
    ☐   Aviation Thread (Not to exceed seven pages)
☐   Proposed contribution cross referenced to WBS (Contributes to Management Evaluation)

Cost Proposal (Not to exceed seven pages)

☐   Cost sharing request (Use Excel template for reporting costs)
☐   In-Kind contributions (Use Excel template for reporting in-kind contributions)

Refer to the Proposal Response template for more information on each section.

5   Evaluation Criteria

OGC Testbed 10 responses will be evaluated according to criteria set by the Sponsors. Those criteria can be divided into three areas: Technical, Management, and Cost.

5.1   Technical

The Technical criteria are described below.

☐   How well applicable Requirements in the RFQ are addressed in the proposal

☐   Proposal provides risk-adjusted technical approach in support of the requirements

☐   Creativity and originality in the proposed solutions

☐   Proposed solutions could be executed within available resources

☐   Proposed Solutions are directed to achieve the goals set forth by the OGC Testbed 10 architecture

5.2   Management

☐   Proposal adheres to and addresses all elements of Work Breakdown Structure

☐   Willingness to share information and work in a collaborative environment

☐   Achieves Sponsors' goals of enhancing availability of SCOTS or standards-based open source products in the market place

5.3   Cost

☐   Cost-share request is reasonable for proposed effort

☐   In-kind contribution is of value to OGC Testbed 10