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FEDERAL BOARD OF REVENUE

Government of Pakistan
Model Customs Collectorate (Preventive)



REQUEST FOR EXPRESSION OF INTEREST(REOI)

The Model Customs Collectorate (Preventive), FBR, Government of Pakistan hereby requests your Expressions of Interest (EOIs) National Competitive Bidding (NCB) from Firms / Joint Ventures for the procurement of Enterprise Service Bus (ESB) for Customs Computerized System (WeBOC) for Electronic Data Interchange (EDI) between heterogeneous and complex applications through Two Stage Two Envelop contracting methodology under Federal PPRA Rules 2004.

To complete this project, Collectorate of Customs (Preventive) requires the services of Firms/ Joint Ventures, having credible experience in large scale ICT Technology related projects. Proven knowledge and extensive track record of EDI & ESB implementation is mandatory.

Interested firms are requested to submit their Expressions of Interest (EOIs) latest by 3:00pm on Wednesday, 22nd July 2015 i.e. 15 days after the date of publication of this REOI under Rule 13 of the PPRA Rules 2004 at the "Office of AC HQ - MCC Preventive, 6th floor Custom House Karachi". Terms of Reference (TORs) and other related details for preparation and submission of EOI are available at FBR's website (www.fbr.gov.pk/ebs/eoi) and on PPRA website (www.ppra.gov.pk).

The shortlisted firms will be sent the Request For Proposal (RFP) Documents for submitting their Technical & Financial Proposals for evaluation under Rule 36 (d) of the PPRA Rules 2004. Dates for Pre-Proposal Conference and Proposal submission will be communicated alongwith the Letter of Invitation to the shortlisted firms.

The Collectorate of Customs (Preventive) reserves the right to reject all the Expressions of Interest (EOIs) by communicating the grounds of rejection to the firms under Rule 33 of the PPRA Rules 2004.

For further information or queries; please contact:

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Procurement of Enterprise Service Bus for Electronic Data Interchange(EDI) via FBR'S Customs Computerized System (WeBOC)



Terms of Reference (TORs)



INTRODUCTION

The Model Customs Collectorate (Preventive), FBR, Government of Pakistan is moving to the next level of trade information to be exchanged within the cross border regulatory authorities. All the information exchange will be secured, reliable and protected over standard communication protocols.

PROJECT DESCRIPTION

1. Background

Pakistan Customs is moving towards Electronic Data Exchange (EDI) implementation for capturing the real time and accurate trade information. In relation to this, an agreement was reached between the governments of Pakistan and other countries to form a working group on Customs Data Exchange.

2. Scope of Work

The scope of the Project is to ensure secure movement and real time information of cargo goods to avoid mis-declarations related to details of imports and exports related to certificate of origin. Pakistan Customs needs to develop a secure transmission medium to exchange Customs data and certificate of origin prior to the arrival of import cargo at the destination country. The secure transmission of data shall also help during post clearance audit as well as rebate and refund claims at the origin country.

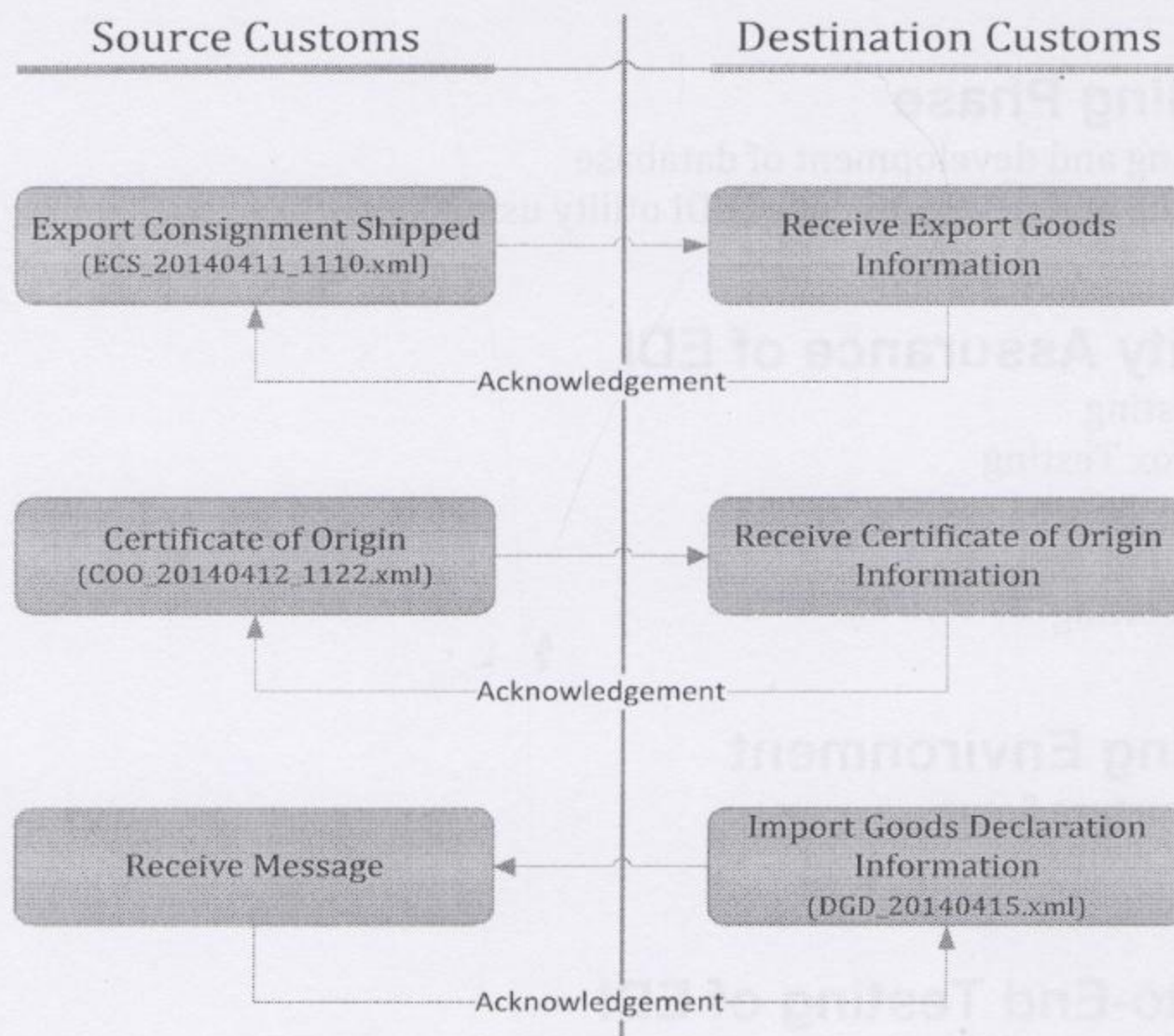
Mode of Custom Data Exchange

Electronic Data Interchange is the most reliable, effective and fastest communication mechanism to exchange Custom data. EDI message is transmission of structured data between two systems or organizations/departments by electronic means. It is used to transfer electronic documents or business data from one system to another i.e. from one trading partner to another without human intervention.



- The data exchange between dissimilar application/systems shall be done through messages using per-determined format through respective Custom gateway application.
- Flexibility to share the data as the formats can be adopted from amongst the standard formats shall be devised as per message exchange partners.
- They are relatively easy to implement and largely human intervention free.
- Human intervention in the processing of a received message is typically intended only for handling error conditions, for quality review, and for special situations.

Electronic Data Interchange – Source to Destination





2.1. Building Phase

- 2.1.1. Designing and development of database
- 2.1.2. Designing and development of EDI utility using XML

2.2. Quality Assurance of EDI

- 2.2.1. Unit Testing
- 2.2.2. Black Box Testing
- 2.2.3. Relation Testing
- 2.2.4. Integration Testing
- 2.2.5. Stress Testing

2.3. Staging Environment

- 2.3.1. Infrastructure Setup
- 2.3.2. Secure Certificates

2.4. End-to-End Testing of EDI

- 2.4.1. Integration Testing
- 2.4.2. Stress Testing

2.5. Training & UAT

- 2.5.1. Training of all Stake holders
- 2.5.2. Technical Training
- 2.5.3. On Demand Training of Customs staff

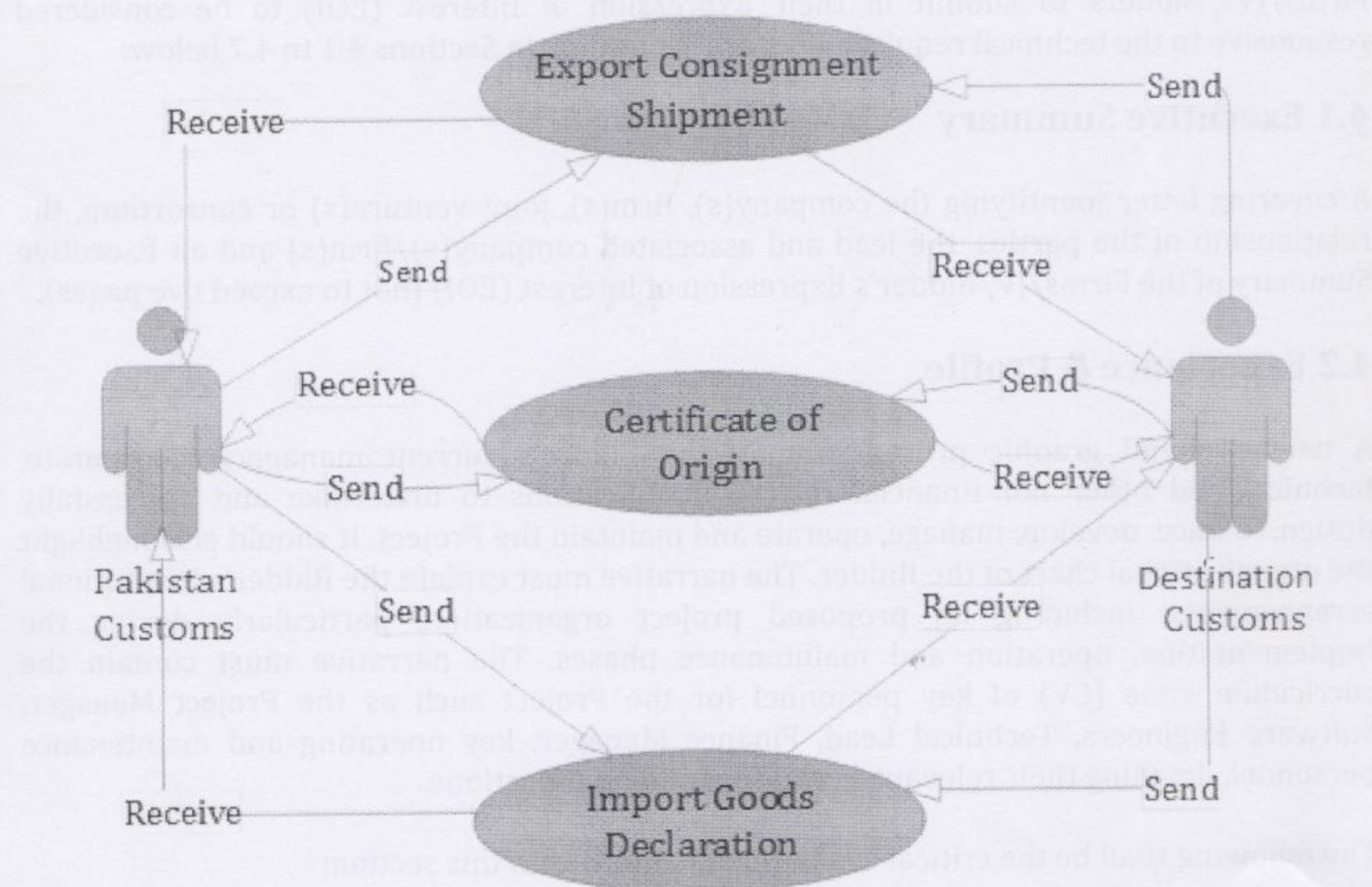
2.6. Deployment

- 2.6.1. Infrastructure Setup
- 2.6.2. Secure Certificates
- 2.6.3. Secure Communication

2.7. Go-Live

- 2.7.1. End-to-End Activation
- 2.7.2. Training for Operations Team
- 2.7.3. Onsite presence for Live Operations
- 2.7.4. Handing over to Operations Team

3. General Design for EDI Communication & Operations





4. Minimum Technical Information Required

The minimum technical information the Collectorate of Customs (Preventive) requires Firms/JVs/Bidders to submit in their Expression of Interest (EOI) to be considered responsive to the technical requirements are set outline in Sections 4.1 to 4.7 below:

4.1 Executive Summary

A covering letter identifying the company(s), firm(s), joint venture(s) or consortium, the relationship of the parties, the lead and associated company(s)/firm(s) and an Executive Summary of the Firms/JV/Bidder's Expression of Interest (EOI) (not to exceed five pages).

4.2 Experience & Profile

A narrative and graphic presentation of the Bidder's current managerial, corporate, technical and other non-financial related qualifications to undertake and successfully design, finance, develop, manage, operate and maintain the Project. It should also highlight the organizational chart of the Bidder. The narrative must explain the Bidder's Institutional arrangements; including its proposed project organization, particularly during the Implementation, operation and maintenance phases. The narrative must contain the curriculum vitae (CV) of key personnel for the Project such as the Project Manager, Software Engineers, Technical Lead, Finance Manager, key operating and maintenance personnel, detailing their relevant experience and qualifications.

The following shall be the critical evaluation factors within this section:

- Corporate Structure and organization of the Bidder
- Relevant Experience of the Bidder
- Annual Turnover of the Bidder
- Technology Related Services & Experience
- Proposed Project Manager/ Project Lead of the Project
- Proposed Finance Manager/Financial Consultant of the Project
- Proposed Technical Team of the Project

4.3 Conceptual Design

Conceptual Design based upon the Bidder's survey and technical studies conforming to the minimum design requirements as outlined in Section 02. Conceptual Design shall, among other topics, include the following information:

- Electronic Bus Service – Implementation Methodology
- Electronic Data Interchange – Messaging Structure
- Data Repository Design and Reporting Software



- Messaging Layer Operations and Security Architecture



4.4 Methodology

A narrative and graphic presentation of the Bidder's methodology to execute the project. The Bidder shall clearly explain its design, execution, time period, state of the art practices, tentative plans, type of technology, the equipment and staff needs of the Project. The methodology shall be clearly elaborated in layout plans.

4.5 Operations & Maintenance

During the operational phase of the Project, the Collectorate of Customs (Preventive) shall measure the contractor's compliance with operations and maintenance standards included in an Operations and Maintenance Manual. For the Expression of Interest (EOI), Bidders must include a narrative of the contents of an Operations and Maintenance Manual which the Bidder will prepare, subject to Collectorate of Customs (Preventive) approval, for the Project, as well as a narrative and graphic presentation of the Bidder's proposed organization and approach to implementation of the Operations and Maintenance requirements for the Project conforming to the minimum operation & maintenance requirements as outlined in Section 02.

4.6 Project Implementation Timetable

A narrative and graphic presentation of the Bidder's proposed Implementation Timetable, including a narrative of how the Bidder, as the Contractor, would work with the Collectorate of Customs (Preventive) and all the stake holders.

4.7 Mandatory Documents required for EOI

- Certificate of registration/ incorporation of the firm in the country of origin.
- Copy of registration with income tax department of Consultancy Company's country of origin.
- List of professional staff the firm intends to use for work on this project along with CVs of such person showing project wise experience with time duration for each project.

List of large scale technology related project completed by the firm during last 10 years or similar work in hand, (certified where possible by the employer that the work was successful completed)



Technical Evaluation Criteria is not included in the TORs for the EOI submission. The said Criteria will be included in the TORs Section of the Request For Proposal (RFP) Documents provided to the shortlisted firms only as per the standard international best practices in public procurement and as per the FIDIC Contracting adopted by Pakistan Engineering Council (PEC).