



COMMONWEALTH OF DOMINICA
MINISTRY OF PUBLIC WORKS, PUBLIC UTILITIES AND DIGITAL ECONOMY
CARIBBEAN DIGITAL TRANSFORMATION PROJECT UNIT

Caribbean Digital Transformation Project
IDA-66850-DM

Addendum No. 2

to

Request for Proposals

Information Systems

Procurement of:

Design and Development of an Automated Border Control (eGate) System

Purchaser: Ministry of Public Works, Public Utilities and the Digital Economy
Project: *Caribbean Digital Transformation Project*
Contract title: *Design and Development of an Automated Border Control (eGate) System in Dominica*
Country: *Commonwealth of Dominica*
Loan No.: IDA-66850-DM
RFP No: DM-MPWDE-467842-NC-RFP
Issued on: February 13, 2025

Addendum No. 2

Design and Development of an Automated Border Control (eGate) System in Dominica

Pursuant to Section 1 – Instructions to Proposers (ITP) Clause 8.1, 8.2 and 8.3 of the Request for Proposals (RFP), the Client hereby issues Addendum No. 2:

Responses to Clarifications Sought by Proposers:

| Sr. No. | RFP CLAUSE REFERENCE | EXISTING CLAUSE | | | | | MODIFIED CLAUSE | | | | |
|---------|---|--------------------|-----|--|--|--|--------------------|-----|---|---|---|
| | | Position name | Nos | Role | Qualifications | Experience | Position name | Nos | Role | Qualifications | Experience |
| 1 | Section III – Evaluation and Qualification Criteria – 1.3 Key Personnel | Solution Architect | 1 | Professional Qualification <ul style="list-style-type: none"> Should be a graduate in Business Administration, Public Administration, Computer Science/IT or relevant areas Relevant Experience <ul style="list-style-type: none"> Should have experience in implementing Automated Border Control System projects of similar nature in the public/government/private sector projects Should have | <ul style="list-style-type: none"> IT, programming, computer systems, computer technician diploma or higher Preferable to have TOGAF or equivalent | <ul style="list-style-type: none"> Overall minimum 5years of Experience Preferable to have 1+ years of experience in implementing e- gates systems, including biometrics installation and integration with customs & immigration management information system Preferable to have 1+ years of | Solution Architect | 1 | Relevant Experience <ul style="list-style-type: none"> Should have experience in implementing Automated Border Control System projects of similar nature in the public/government/private sector projects Should have carried out solution architecting for Interoperable/ Cloud Architecture Should have experience in designing cloud | <ul style="list-style-type: none"> Should be a graduate in Business Administration, Public Administration, Computer Science/IT or relevant areas Preferable to have TOGAF or equivalent | <ul style="list-style-type: none"> Overall minimum 5years of Experience Preferable to have 1+ years of experience in implementing e- gates systems, including biometrics installation and integration with customs & immigration management information system Preferable to have 1+ years of experience in providing IT technical support in for land |

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| | | | | <p>carried out solution architecting for Interoperable/ Cloud Architecture</p> <ul style="list-style-type: none"> Should have experience in designing cloud architecture. <p>Relevant technical and management experience</p> <ul style="list-style-type: none"> Should have demonstrative experience in the performing technical and managerial roles or responsibilities in projects or tasks of similar nature. | | <p>experience in providing IT technical support in for land border/airports/seaports domains.</p> | | | <p>architecture</p> <p>Relevant technical and management experience</p> <ul style="list-style-type: none"> Should have demonstrative experience in the performing technical and managerial roles or responsibilities in projects or tasks of similar nature. | | <p>border/airports/seaports domains.</p> | | | | | | | | | | | | | | | | | | | | |
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| | | | | <p>relevant areas</p> <p>Relevant Experience</p> <ul style="list-style-type: none"> Should have experience in IT Security & Business Continuity/Disaster Recovery Architect <p>Relevant technical and management experience</p> <ul style="list-style-type: none"> Should have demonstrative experience in the performing technical and managerial roles or responsibilities in projects or tasks of similar nature | | <p>Business Continuity/ Disaster Recovery Architect</p> <ul style="list-style-type: none"> Must have 3+ Years of experience in IT security & Business Continuity/ Disaster Recovery architect support in for land border/airports/ seaports domains | | | <p>Relevant technical and management experience</p> <ul style="list-style-type: none"> Should have demonstrative experience in the performing technical and managerial roles or responsibilities in projects or tasks of similar nature | <p>Science/IT or relevant areas</p> <ul style="list-style-type: none"> Should be CISA/CISM certified | <p>Continuity/ Disaster Recovery Architect</p> <ul style="list-style-type: none"> Must have 3+ Years of experience in IT security & Business Continuity/ Disaster Recovery architect support in for land border/airports/ seaports domains | | | | | | | | | | | | | | | | | | | | |
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| | | | | <p>contract.</p> <ul style="list-style-type: none"> Report on team activities and provide a Safety plan as needed. | <p>Prince 2 or equivalent Certificates.</p> | <p>Experience on managing and leading e-gates projects or similar project including at least 2 projects in the last 5 years</p> <ul style="list-style-type: none"> Must have 7+ years of experience in implementing e-gates systems, including biometrics installation and integration with customs & immigration management information system Must have 7+ years of experience | | | <p>nts of the contract.</p> <ul style="list-style-type: none"> Report on team activities and provide a Safety plan as needed. | <p>to have PMP or Prince 2 or equivalent Certificates.</p> | <p>and leading e-gates projects or similar project including at least 2 projects in the last 5 years</p> <ul style="list-style-type: none"> Must have 7+ years of experience in implementing e-gates systems, including biometrics installation and integration with customs & immigration management information system Must have 7+ years of experience in providing IT technical support in for land border/airports/seaports domains |

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This function is performed from the service desk and includes 24x7 monitoring of the system infrastructure | <ul style="list-style-type: none"> • At a minimum, Bachelors in Engineering or IT or equivalent. • ITIL, CCNA or other relevant certificates | <ul style="list-style-type: none"> • Overall minimum 5 years of Experience • Must have 1+ years of experience in implementing e-gates systems, including biometrics installation and integration with customs & immigration management |
| Position name | Nos | Role | Qualifications | Experience | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Support Engineer (TSE) | 2 | <ul style="list-style-type: none"> • Provide 1st and 2nd Line technical support. • Dealing mostly service requests and dispatching in-scope hardware related callouts. This function is performed from the service desk and includes 24x7 monitoring of the system infrastructure with senior technical support engineers dispatched onto | <ul style="list-style-type: none"> • At a minimum, Bachelors in Engineering or IT or equivalent • ITIL, CCNA certificates | <ul style="list-style-type: none"> • Overall minimum 5 years of Experience • Must have 1+ years of experience in implementing e-gates systems, including biometrics installation and integration with | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Position name | Nos | Role | Qualifications | Experience | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Support Engineer (TSE) | 2 | <ul style="list-style-type: none"> • Provide 1st and 2nd Line technical support. • Dealing mostly service requests and dispatching in-scope hardware related callouts. This function is performed from the service desk and includes 24x7 monitoring of the system infrastructure | <ul style="list-style-type: none"> • At a minimum, Bachelors in Engineering or IT or equivalent. • ITIL, CCNA or other relevant certificates | <ul style="list-style-type: none"> • Overall minimum 5 years of Experience • Must have 1+ years of experience in implementing e-gates systems, including biometrics installation and integration with customs & immigration management | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sr. No. | RFP CLAUSE REFERENCE | EXISTING CLAUSE | | | | | MODIFIED CLAUSE | | | | |
|---------|----------------------|-----------------|--|--|--|--|-----------------|--|--|--|--|
| | | | | <p>the floors when there is a need to physically do hands-on work.</p> | | <p>customs & immigration management information system</p> <ul style="list-style-type: none"> • Preferable to have 2+ years of experience in providing IT technical support in for land border/air ports/seaports domains • Must have 5+ providing IT technical support. | | | <p>with senior technical support engineers dispatched onto the floors when there is a need to physically do hands-on work.</p> | | <p>information system</p> <ul style="list-style-type: none"> • Preferable to have 2+ years of experience in providing IT technical support in for land border/airports/seaports domains. • Must have 5+ providing IT technical support |

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|----|---|--|--|
| 6 | Section II – Proposal Data Sheet (PDS) – ITP 23.1: Proposal Submission Deadline | The deadline for Proposal submission is: Date: 25th February 2025 Time: 10:00 a.m. | Revised Date for proposal submission is: Date: 18th March 2025 Time: 10:00 a.m. |
| 7 | Section II – Proposal Data Sheet (PDS) – ITP 26.1: Opening of Technical Proposals | Date for Opening of Technical Proposals is: Date: 25th February 2025 Time: 10:15 a.m. (Eastern Caribbean Time). | Revised Date for Opening of Technical Proposals is: Date: 18th March 2025 Time: 10:15 a.m. (Eastern Caribbean Time) |
| 8 | Section II – Proposal Data Sheet (PDS) – ITP 7.1: Request for Clarification | Deadline for requests for clarifications: 21 Days Prior to Proposal Submission. Date: Feb 4, 2025 | Revised Date for request for clarifications: 21 Days Prior to Proposal Submission Date: Feb 25, 2025 |
| 9 | Section II – Proposal Data Sheet (PDS) – ITP 36.2: Date of exchange rate | The date for the exchange rate shall be: 25th February 2025. | Revised Date for the exchange rate shall be: 18th March 2025. |
| 10 | Section VII – Purchaser’s Requirements – 0. General Requirements of the ABC System – Point 0.24 | The Supplier should provide an extended three to five (3 to 5) years warranty on all installed equipment starting from the acceptance date. | The Supplier should provide five (5) years warranty on all installed equipment starting from the acceptance date. |
| 11 | Section VII – Purchaser’s Requirements – 1.1. e-Gate Requirements Specification – Point 1.1.1 | The e-Gate system must be designed with configurations to support gate operations for multiple airlines. | The e-Gate system must be designed with configurations to support gate operations for multiple airlines. CUTE/CUPP Certificates or equivalent global Certifications will be required. |

Annexure 1:

Section VII - Purchaser's Requirement - B. Envisaged solution, modules and functional requirements. (page no. 146)

Self - Bag Drop Process flow in an Automated Border Control System

1. Passenger Identification & Check-in

- The passenger checks in via self-service kiosk, mobile app, or airline counter.
- A boarding pass is issued (paper/digital) with a bag tag for checked luggage.

2. Arrival at the Self Bag Drop Kiosk

- The passenger proceeds to the Self Bag Drop (SBD) kiosk.
- The kiosk provides an automated interface for the bag drop process.

3. Passenger & Baggage Authentication

- The system prompts the passenger to scan their boarding pass (QR code, barcode, or RFID).
- The system may use biometric verification (face, fingerprint, or iris scan) to authenticate the passenger against immigration records.
- The baggage tag is scanned (RFID/Barcode) to link the bag with the passenger.

4. Weight & Size Validation

- The baggage is placed on the weighing scale of the bag drop unit.
- The system checks weight and dimensions against airline regulations.
- If overweight, the system notifies the passenger and provides payment options via credit card, mobile payment, or kiosk assistance.

5. Baggage Security Screening

- The system routes the bag through automated security screening.
- If the bag is flagged for additional inspection, the passenger is alerted to report to manual check-in counter.
- If cleared, the bag is automatically conveyed to the baggage handling system for further processing.

6. Baggage Acceptance & Receipt Issuance

- If the baggage is successfully processed:
- The system provides a bag receipt (printed/digital).
- A confirmation message is sent via SMS/email.
- The baggage enters the airport's baggage handling system (BHS) and is assigned to the respective flight.

7. Integration with Border Control & Passenger Tracking

- The self-bag drop system integrates with the Automated Border Control (ABC) System for tracking and security clearance.

- The biometric data captured at the SBD is linked to border control for seamless entry at immigration gates.

8. Passenger Proceeds to Immigration & Security Check

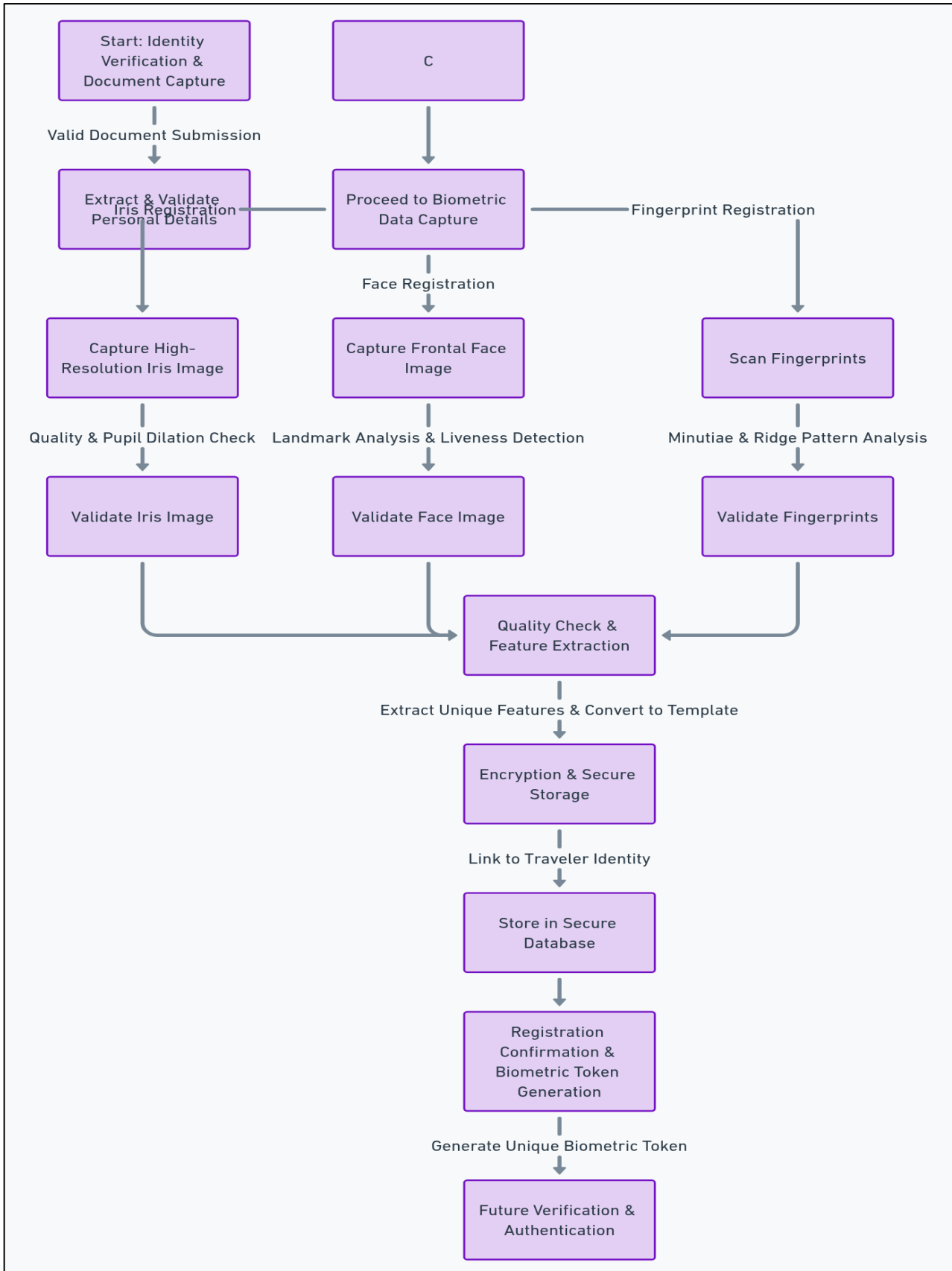
- The passenger moves toward the Automated Border Control (e-Gate).
- Since biometrics were already verified at the SBD, this expedites border clearance.
- The passenger proceeds through security screening and enters the departure area.

System Components in Self Bag Drop & Border Control Integration

1. **Self-Bag Drop Kiosk** – Boarding pass scanner, biometric camera, RFID/barcode scanner, weighing scale.
2. **Biometric Authentication** – Facial recognition or fingerprint scanning linked to ABC system.
3. **Baggage Handling System (BHS)** – Automated baggage routing & screening.
4. **Security Screening System** – Integration with airport security for explosive and prohibited item detection.
5. **Automated Border Control (ABC) System** – Data exchange between airline, immigration, and security systems.

Annexure 2:

Section VII - Purchaser's Requirement - 1.3 - Architectural Requirements to be met by the Information System.- page no. 225 – Step-by-Step Biometric Registration Process



1. Identity Verification & Document Capture

- The individual presents a valid passport, visa, national ID, or boarding pass.
- The system extracts personal details (name, DOB, nationality) and validates the document against official databases.
- Some systems also verify documents using chip-based e-passport readers (ICAO-compliant MRTDs).

2. Biometric Data Capture

Biometric data is collected using specialized scanners or cameras, depending on the modality:

a) Iris Registration

- The person looks into an iris scanner from a fixed distance.
- A near-infrared camera captures high-resolution images of both irises.
- The system checks for image quality, pupil dilation, and eye position.

b) Face Registration

- The individual stands in front of a facial recognition camera.
- The system captures a frontal face image with proper lighting.
- The algorithm analyzes landmarks (eyes, nose, jawline) and checks for liveness detection to prevent spoofing.

c) Fingerprint Registration

- The person places their fingers on a biometric fingerprint scanner.
- A flat or rolled scan is taken (depending on the system requirements).
- The scanner records minutiae points, ridge patterns, and core details.

3. Quality Check & Feature Extraction

- The system verifies biometric data quality (sharpness, clarity, contrast).
- It extracts unique biometric features and converts them into a mathematical template (not a raw image).

4. Encryption & Secure Storage

- The biometric template is encrypted and linked to the traveler's identity record.
- Stored in government databases, airline PNR/APIS records, or airport security systems.
- Some systems store biometric data on e-passports (ICAO 9303-compliant chip).

5. Registration Confirmation & Biometric Token Generation

- Once registered, the system generates a unique biometric token for the traveler.
- This token is used for future 1:1 (verification) or 1:N (identification) authentication.
- The traveler may receive a digital confirmation (via app or email).

Acknowledge receipt of this Addendum in writing. Failure to do so may subject Proposer to disqualification.



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JERMAINE JEWEL JEAN-PIERRE, PhD
PROJECT MANAGER
CARIBBEAN DIGITAL TRANSFORMATION PROJECT