



Citizenship and
Immigration Canada

Citoyenneté et
Immigration Canada



Citizenship and Immigration Canada

Temporary Resident Biometrics Project (TRBP)

ICAO Conference - Ninth Symposium and
Exhibition on MRTDs
October 2013



Canada



Purpose

- Provide an overview of our business objectives.
- Highlight our approach and principles for building an extendible and interoperable technical and business solution and how this created a platform for future government initiatives.





Temporary Resident Biometrics Project

- Major Crown project launched in 2009
- Initiated to deliver and implement biometric identity screening in Canada's temporary resident program
- Led by three federal departments/agencies: CIC, CBSA, RCMP
- Support from: SSC, PWGSC, DFATD





Business Objectives

- Strengthen identity management
- Enhance security
- Improve program integrity
- Facilitate processing of legitimate travel






Project Scope

- Biometric collection (fingerprints and digital photograph) from TR visa, study permit and work permit applicants from 30 countries/ territory
- Fingerprint matching against RCMP held immigration and Canadian criminal fingerprint records
- Systematic photo verification at primary inspection lines at POE
- Discretionary fingerprint verification at secondary inspection lines
- Cost recovery biometric fee





Development Approach

- Maximize use of current investments (people, process, technology); minimize development risk
 - Make solution extensible and interoperable
 - Leverage and integrate into existing business processes
 - Implement in context of other departmental modernization initiatives, e.g. expansion of global VAC network
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Technology Solution Scope

- New biometrics functionality and equipment
- Enhancements to existing systems: GCMS, RTID, border query systems at primary and secondary inspection lines
- New interfaces to communicate with partner systems: US collection system, AFIS






Secure/Robust/Interoperable Components

- **Secure:** complies with government security and privacy laws and policies
- **Proven technology:** COTS products and equipment
- **Standards based:** international standards; provides future flexibility to interface with other government solutions
- **Configurable:** user-based authorization parameters
- **Scalable:** can be extended to handle additional volumes in the future






Leveraged current investments

- GCMS to store photographs and information about biometric enrolment and fingerprint search results
 - RCMP RTID to provide fingerprint storage and search capabilities
 - CIC, CBSA and SSC 24/7 corporate IT operations (hardware, software, help desks, etc.)
 - Global VAC network to collect biometrics abroad
 - U.S. ASCs to collect biometrics from applicants within the U.S.
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Business Support

- Human functions analysis to determine how many and where new business and technology support functions are required
 - Enhanced reporting and information functions
 - New centralized assessment function to support visa office decision making
 - New 24/7 operational and technical support unit
 - Updated policies and procedures
 - Integrated biometric identity screening into existing visa application and visitor entry processes
 - Integrated disaster recovery and business resumption plans
 - Staff engagement and training
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RCMP Services to CIC

- The RCMP role is an identity management service provider
 - Search and storage of biometric data within the National Fingerprint Repository holdings for Canada
 - Biometric fingerprint subject matter expertise
 - Identity verification at the Canadian border
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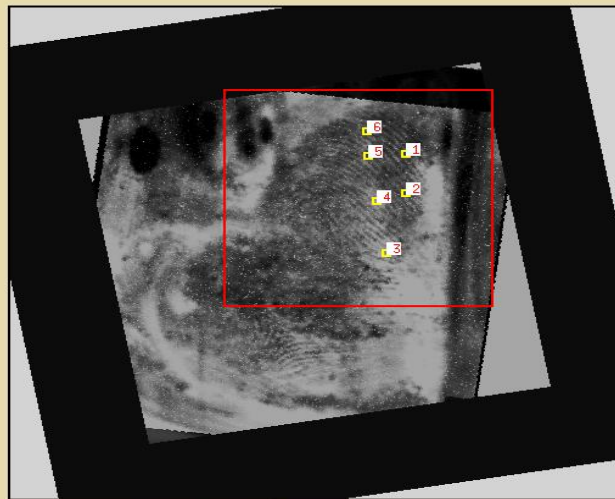
RCMP Services to Public Safety Partners

- **Crime Scene (Latent)**
 - 30464 searches
 - 2303 forward search / 2249 reverse search
- **Central and 21 remote sites**
 - 61263 searches in 2012

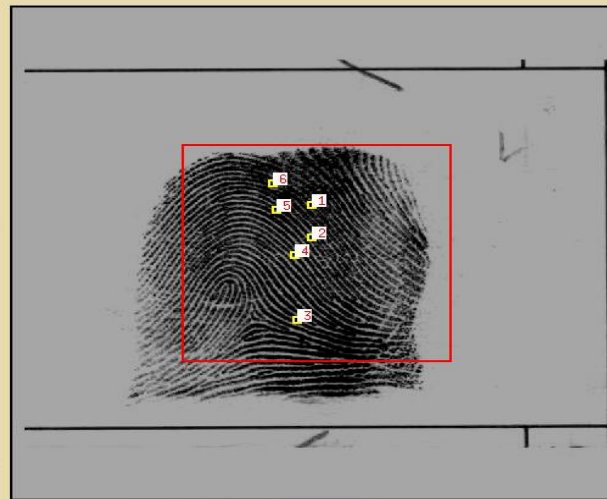




RCMP Services to Public Safety Partners



Ridge Count



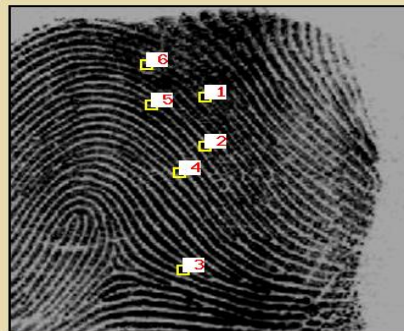
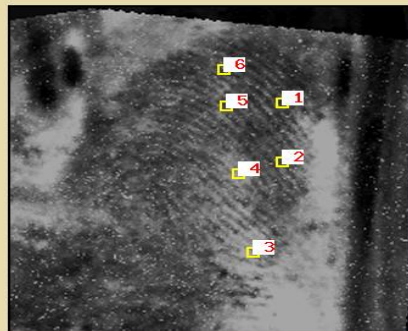
Ridge Count

Left

Rotate

10

Reverse



Message

Display Options

- Markers ON
- Minutiae OFF
- Numbering ON
- Zoom Boxes ON
- Ridge Count OFF
- Preview OFF
- Notations OFF

Analysis & Exhibit

Clear All Marks

Print

Return

Brightness

Both

Reset

Contrast





RCMP Services to Public Safety Partners

- **FBI**
 - Dual traffic
 - FBI is searched electronically upon request
 - FBI Searches Canada . Started February 2013
 - 2487 searches to date
- **Interpol**
 - Via IES International Exchange Services ,we support Notices from around the world
- **NCIC – Only terminal in Canada**
 - Authorized to enter Canada Wide wants and warrants and other CPIC information on the U.S. system
- **CPSIC – Canadian Police Services Information Center**
 - 24/7 365 days a year service supporting Canadian police and Federal Services
- **CRS –Criminal Records Service**
 - Central repository for all criminal record information across Canada





Standards

- ANSI-NIST Standard based exchange of information
- Collection and storage of Rolled and Plain and Identification Flats (Type 1, Type 2, Type 4, Type 10, Type 14, Type 15 records)





Platform for Future Government Initiatives

- Information sharing with U.S. in 2014
- Biometric enrolment of refugee resettlement applicants abroad
- FCC High-Value Data Sharing Protocol
- Possible future expansion of biometrics

