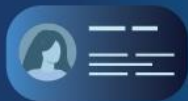




ICAO



2025 ICAO **TRIP** SYMPOSIUM

MONTRÉAL, CANADA | NOVEMBER 4 - 6



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Nelson Goncalves,
Head of Legal Identity Unit
IOM Headquarters

Core pillars:

- **Interoperability:** Shared standards linking national systems securely
- **Inclusion:** Accessible digital identity for all travelers, including migrants and displaced persons
- **Security & Trust:** Privacy-by-design, biometrics, and data protection at every step
- **Efficiency:** Faster border processing, reduced fraud, enhanced traveler experience

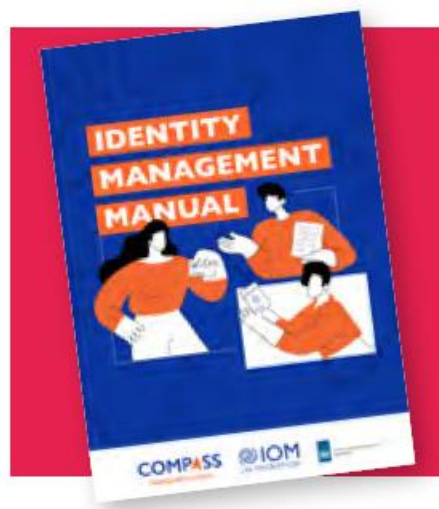
IOM's role:

Ethical innovation in identity and border management

Capacity building to bridge digital divides

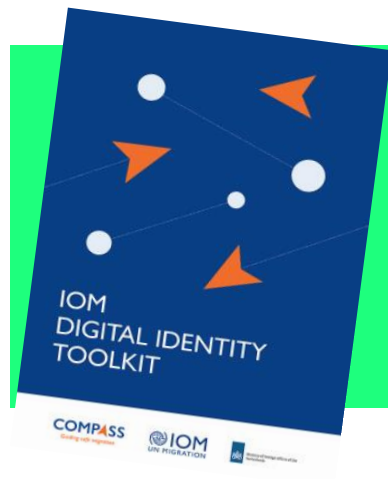
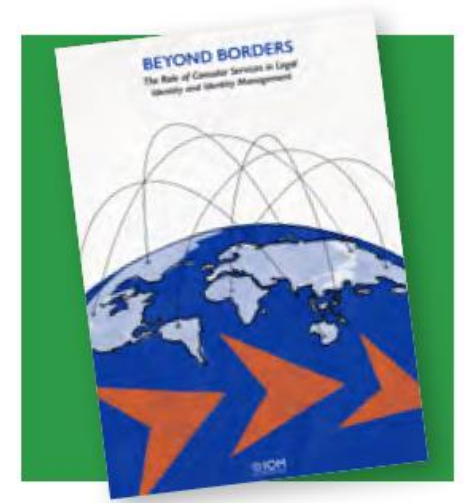
Ensuring that identity systems are human-centered, inclusive, and rights-protective

NEW IOM TOOLS



Identity Management Manual - provides practical guidance for the design, implementation, and maintenance of secure, inclusive, and interoperable identity management systems.

Manual for Consular Services - serves as a comprehensive guide for consular officers, outlining policies, procedures, and best practices for delivering effective and consistent consular assistance.



Digital Identity Toolkit provides practical resource for policymakers and practitioners seeking to operationalize and implement digital identity frameworks, with a strong emphasis on human rights, including privacy, security, and key technological considerations.



Digital-ID Toolkit Introduction



Digital-ID Toolkit

Overall Structure

Part-I – Digital-ID Overview

A General Knowledge Section to understand Digital-ID and the related Technology

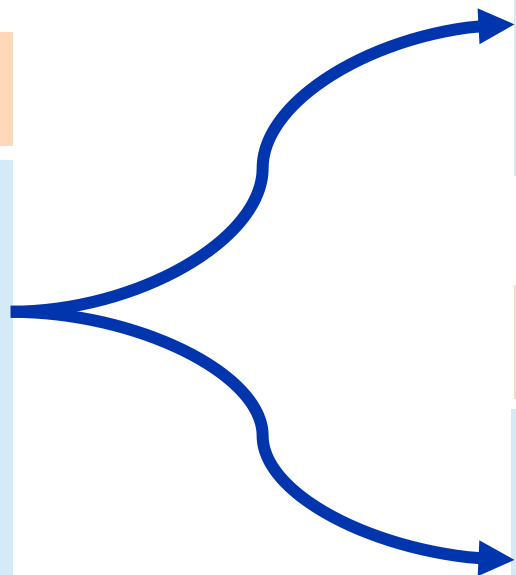
- ➔ Media (Document/Card/Digital)
- ➔ Use-Case
- ➔ Trust Framework

Part-II – Digital-ID Guidance

Guidance for the implementation of a Digital-ID in a country
➔ Large scale & Countrywide implementation

Part-III – Digital-ID IOM Use-Case

Guidance for the use case of Digital-ID for bilateral Free Movement Zones (FMZ) using Token & Digital
➔ Small scale and limited perimeter



IOM Digital-ID Mock-UP Software

- Provision of a Demonstrator for Digital-ID implementations
- Showcase the General Digital-ID & specific IOM Migration Use-Case
- Serve as a Blueprint for Implementation in Member States
- Support on Implementation from Mock-Up → Production

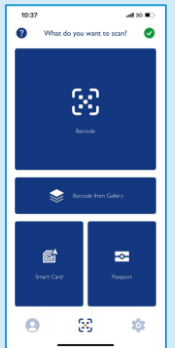
Part-II – MOSIP Digital-ID (General Use-Case)

- Generic MOSIP Digital-ID implementation
- Issuance of a Digital-ID pass for offline verification
- Implementation of INJI Digital-ID Wallet and signet Single Sign On
- Demonstration of Verification and Login to Government Websites
- → Small scale and limited perimeter



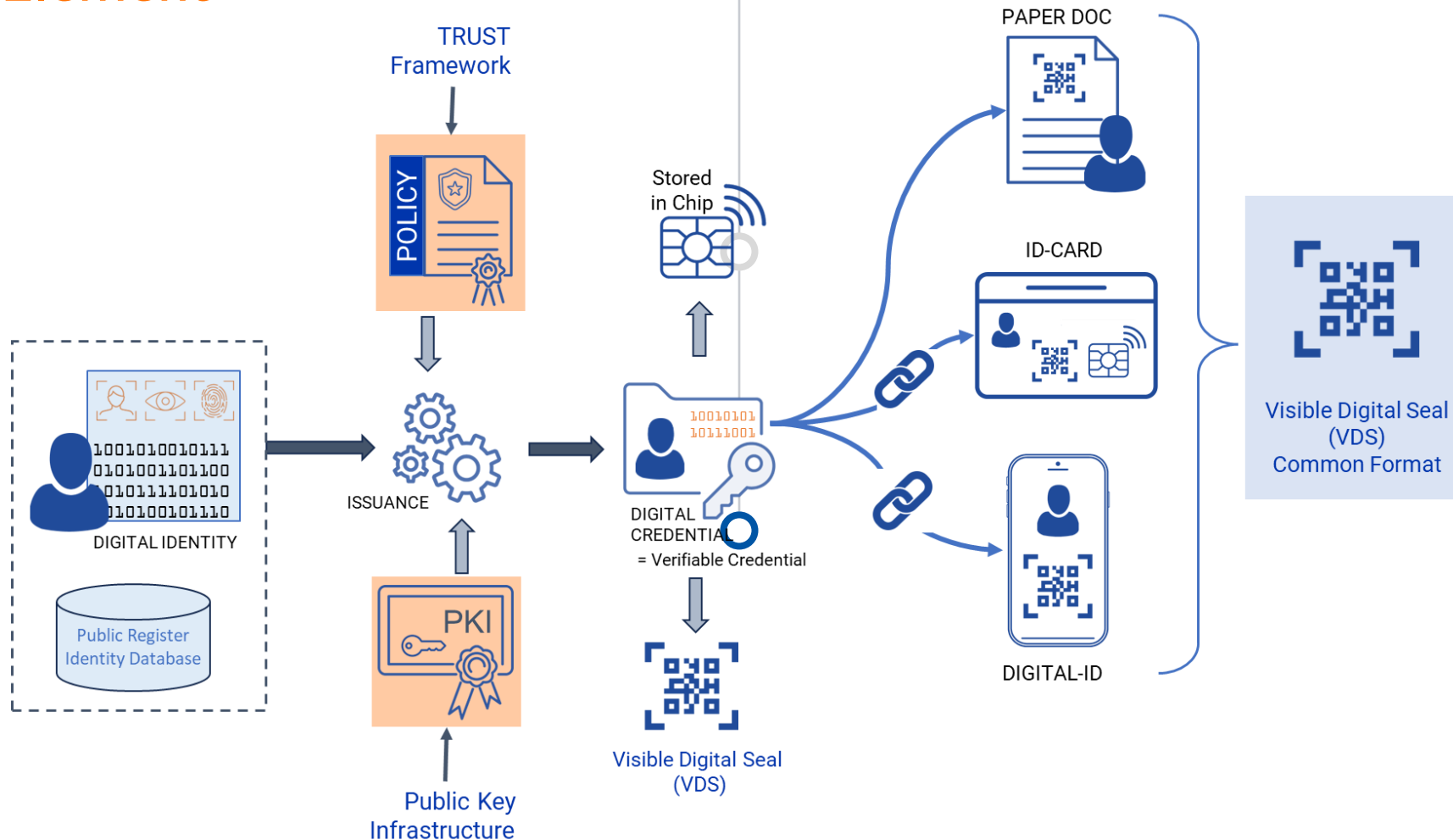
Part-III – IOM Identifier (Migration Use-Case)

- Enrolment of a person on the mobile with Passport or manual entry
- Issuance of an ISO-22376 compliant Identity Credential as VDS QR-Code
- Showcase offline verification and biometric face verification



Verifiable Credentials

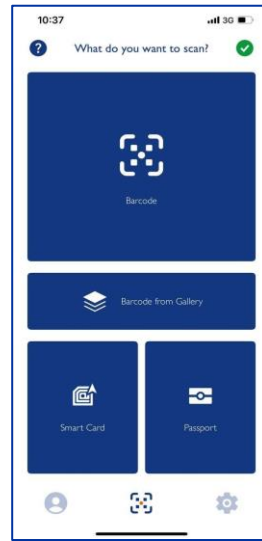
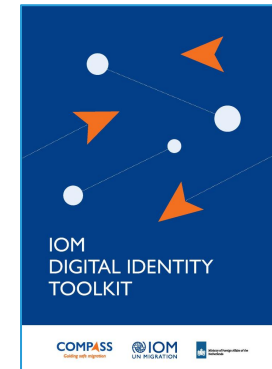
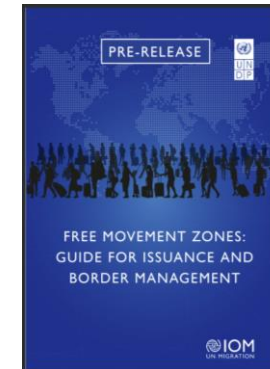
A Key Element



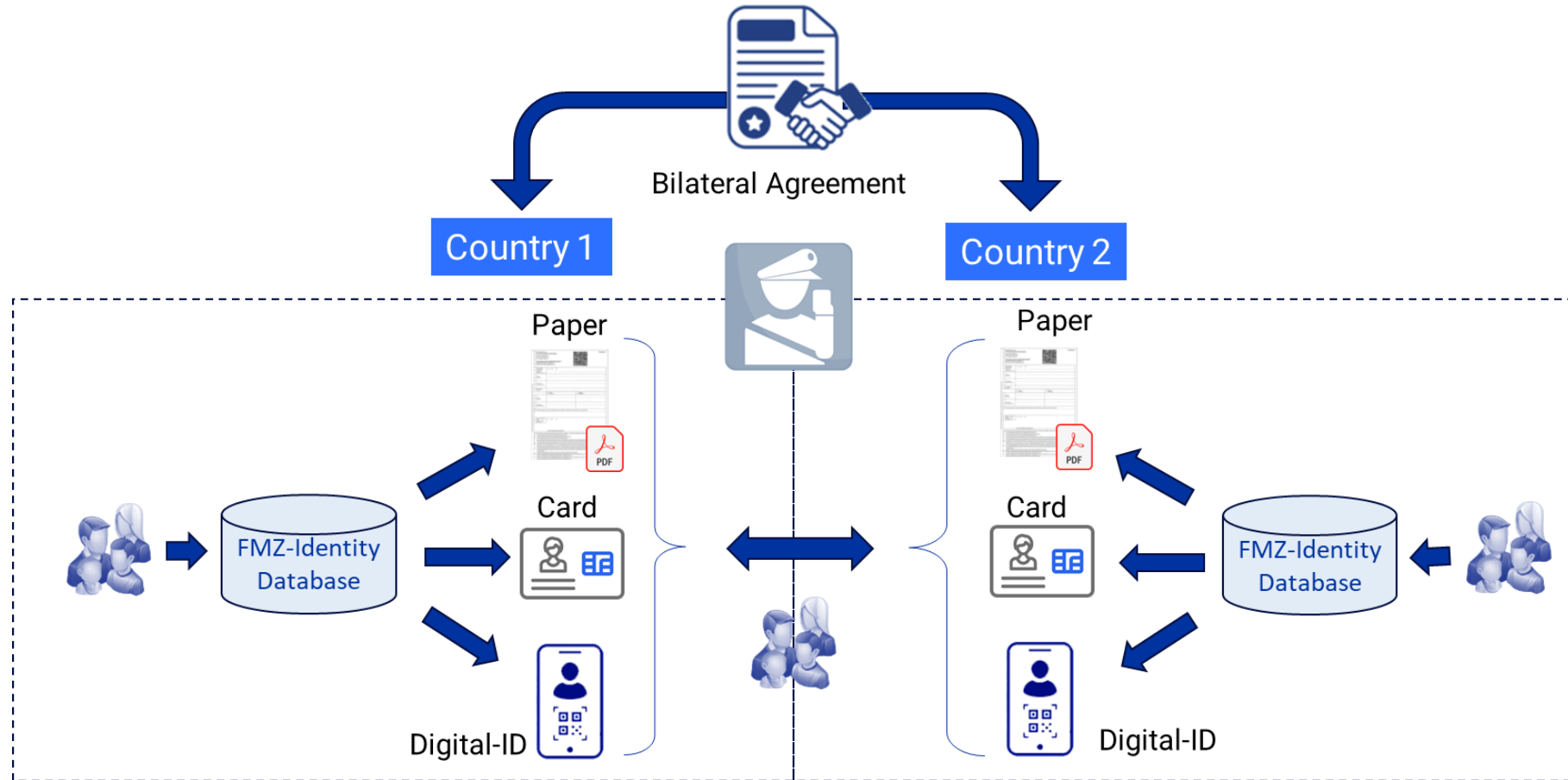
Use-Case:

Border Crossing in Free Movement Zone

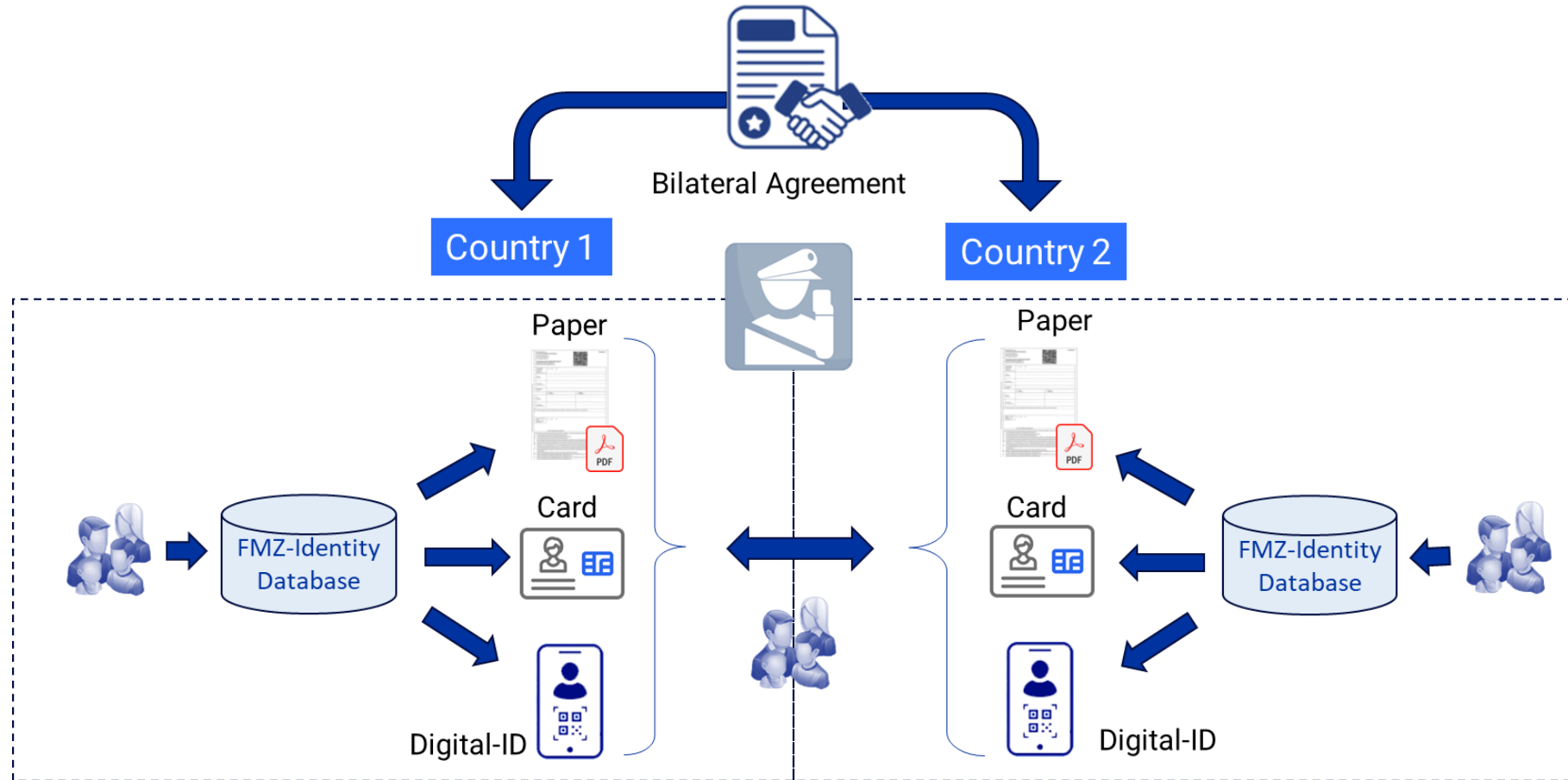
- Facilitate Movement of People and Goods in Free Movement Zones
- Promote free movement and mobility of labor
- Implementation of Secure Physical and Digital-ID credentials to allow migrants to participate and provide public services
- Enable Border control points in remote areas
- Easy implementable scheme for multilateral implementations based on open-source available tools



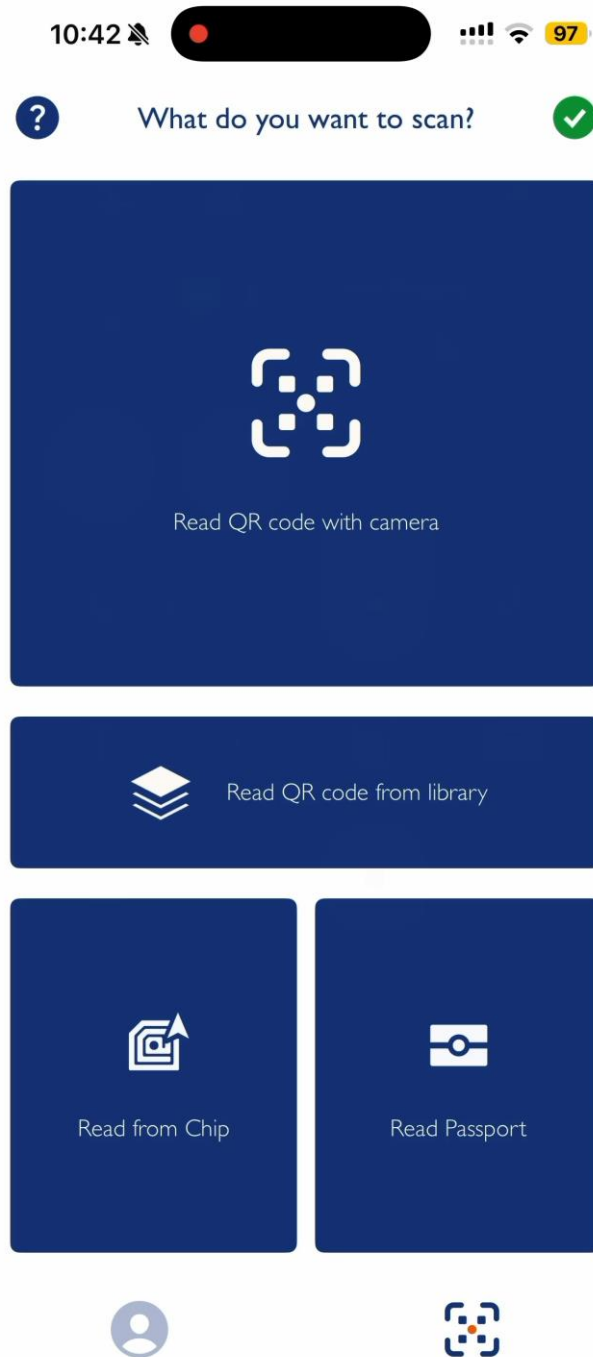
Use-Case: Border Crossing in Free Movement Zone



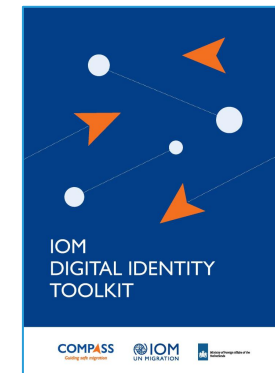
Use-Case: Border Crossing in Free Movement Zone



Video demo

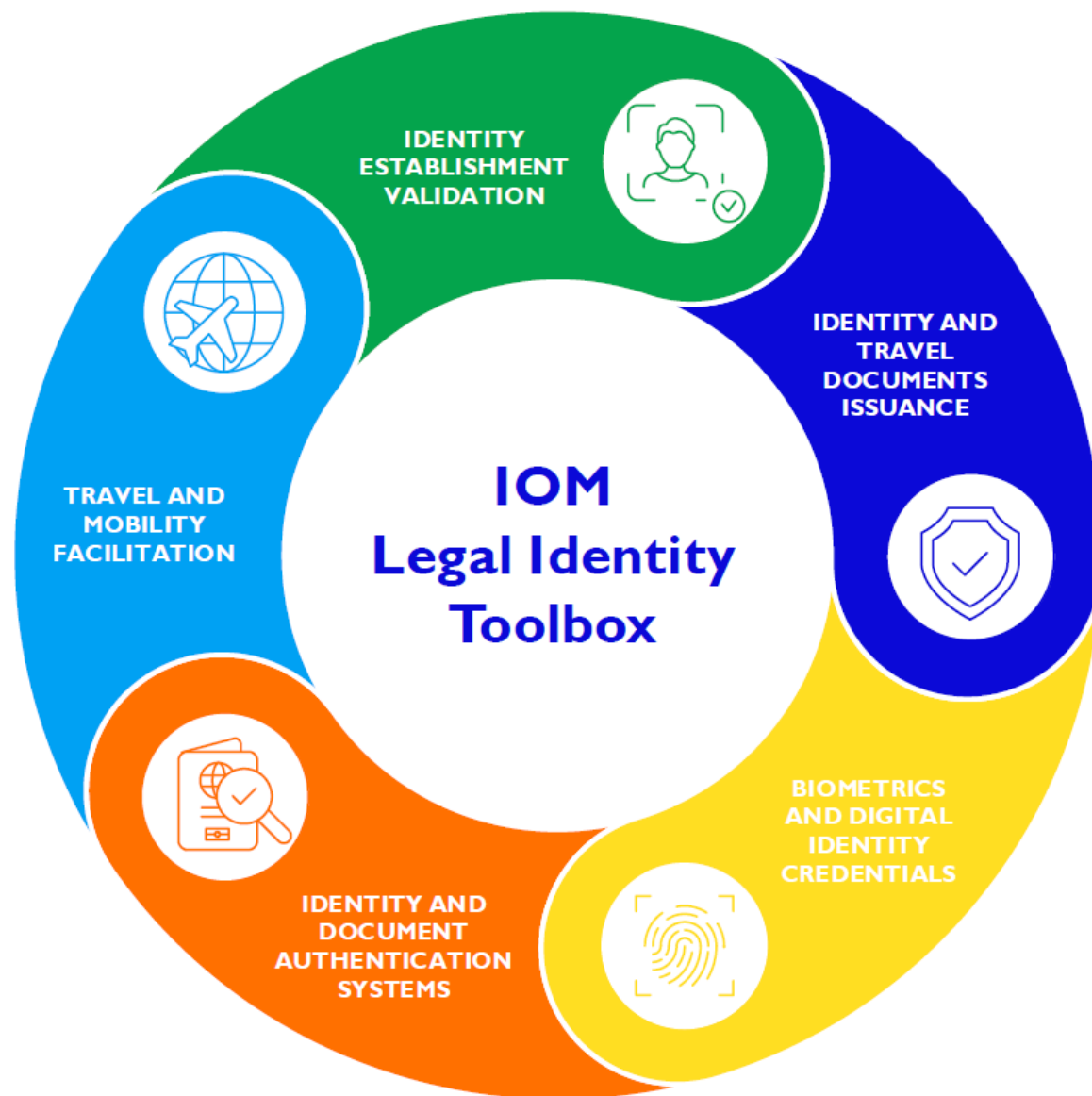


IOM Digital-ID Master Class



- 3-day MC Targets government officials engaged in identity management, digitalization, and issuance of identity credentials
- Build national and institutional capacity for Digital ID deployment and knowledge sharing.
- Provides a deep dive knowledge of the implementation of the Digital ID Management framework
- Understand the policy, regulatory, and ethical dimensions of Digital ID systems to ensure responsible implementation
- Gain insights into international case studies and success stories, drawing lessons from global Digital ID initiatives





IDENTITY ESTABLISHMENT VALIDATION

Systems: Identity Management System (IMS)
Tools: LI toolkit, Biometrics Manual, SOPs,
Civil registration toolkit (TBD), Consular Manual
Training: Biometrics MC, Consular MC, LI MC,
Training on Profiling and Interviews Techniques

IDENTITY AND TRAVEL DOCUMENTS ISSUANCE

Systems: Identity Management System (IMS)
Tools: IDM Manual, Biometrics Manual,
Consular Manual, PEP, DI toolkit
Training: IDM MC, Consular MC, Security
Document Issuance MC

BIOMETRICS AND DIGITAL IDENTITY CREDENTIALS

Systems: Identity Management System (IMS)
Tools: IDM Manual, Biometrics Manual,
Consular Manual, PEP, DI toolkit
Training: IDM MC, Consular MC, Security
Document Issuance MC

TRAVEL AND MOBILITY FACILITATION

Systems: IMS and Digital ID mock-up
Tools: ICAO Annex 9 and 9303,
PEP + App, Digital ID Toolkit, DELMIE
Training: IDM MC, ICAO + IOM
Training, DELMIE and PEP MC

IDENTITY AND DOCUMENT AUTHENTICATION SYSTEMS

Systems: PEP App
Tools: PEP Manual, DELMIE Manual,
Guide on AI and Biometrics
Training: PEP MC, DELMIE training, ToT

THANK YOU

Questions



Thank You

