



Introduction to MOSIP Customization

Format: Presentation

Date: 13th March, 2025

Duration: 75 mins (Incl. Q&A)

Target Audience: Countries, System Integrators

Targeted Expertise/Roles: Software Development Technical Leads, Solution Architects, Technical Manager, Product Managers, Business Analysts.

Max. no. of Participants: 25

Pre-requisites: Should have a basic understanding of MOSIP and its features

Presenters: MOSIP Team

Objective:

Every country has unique identification requirements. Factors like existing infrastructure, legal frameworks, cultural norms, and specific use cases necessitate a flexible approach to identity management. MOSIP is designed to address this by offering a highly customizable platform.

This knowledge-sharing session will demonstrate how MOSIP's adaptability empowers countries to build robust and tailored identity systems. The session will provide an overview of ID creation and usage via the MOSIP platform, emphasising ID Schema and customization to meet specific country needs. We will explore how MOSIP's modular design enables adaptation to diverse requirements, from UI specifications and ID schema fields to registration processing and integrations, across the workflow.

What Can Be Customized?

MOSIP offers extensive customization possibilities across various components:

1. **ID Schema and Master Data:** Define the structure and content of identity data, including required fields, data types, and validation rules. This allows countries to capture the information relevant to their context. We'll explore using templates and tailoring them to specific needs.
2. **UI Specifications:** Adapt the user interface of pre-registration and registration clients to align with local languages, cultural preferences, and accessibility requirements.

3. **Registration Processor:** MOSIP utilises a SEDA with a packet flow through various stages. Each stage's routing is customizable via Apache Camel, allowing countries to define their own processing logic and workflows.
4. **Email/SMS Templates:** Customize communication messages for registration updates, notifications.
5. **Master Data:** Manage and configure reference data (e.g., location codes, demographic information) specific to the country.
6. **Partners and Policy Definitions:** Establish partnerships with relevant organisations and define clear policies for data sharing.
7. **External System Integrations:** Integrate with various external systems including,
 - a. **ABIS (Automated Biometric Identification System):** Integrate with different ABIS partners based on established standards, allowing for flexibility in biometric matching and deduplication.
 - b. **Biometric SDKs:** Integrate with different biometric SDKs for capturing and processing biometric data.
 - c. **Manual Verification Systems:** Integrate with systems used for manual verification of documents or information.
 - d. **Manual Adjudication Systems:** Integrate with systems used for manual review and resolution of cases.
8. **ID Card customization:** Design and personalise the physical ID card's appearance

Session Highlights:

1. **Introduction & Strategy:** Setting the context for customization and understanding MOSIP's modular design.
2. **ID Schema and Master Data:** Defining and customizing ID schemas, master data structures, and ID card design.
3. **Pre-registration and Registration Client:** Working with UI specifications and customizing pre-registration and registration processes.
4. **Registration Processor:** Understanding the SEDA architecture and customizing processing stages.
5. **ID Issuance and Printing:** Exploring credential issuance mechanisms and integration with printing partners.
6. **Post-UIN Solutions Overview:** Brief overview of eSignet (OIDC-based IdP) and Inji (VC stack) and their potential use cases.
7. **Q&A:** Addressing participant queries and fostering open discussion.

Pre-Read Links for Participants:

In order to facilitate active participation and valuable understanding during the session, participants are encouraged to review the following links to familiarise themselves with MOSIP.

1. **Overview of MOSIP and its Core Features:** A high-level introduction to MOSIP, explaining its mission, key functionalities, and the benefits it offers. Click [here](#) to learn more.



2. **ID Lifecycle Management:** A detailed explanation of the various stages an identity record goes through within MOSIP, from initial registration to eventual deactivation or archival. Click [here](#) to learn more.
3. **Understanding ID Schema:** A technical deep dive into the structure and format of the identity data stored and managed by MOSIP, including the different data fields and their definitions. Click [here](#) to learn more.
4. **Registration Client UI Specifications:** Documentation outlining the user interface and functionality of the registration client application, used by operators to enroll individuals in MOSIP. Click [here](#) to learn more.
5. **Pre-registration UI Specifications:** Specifications for the user interface of the pre-registration module, which allows applicants to begin the enrollment process online before visiting a registration center. Click here to [learn](#) more.
6. **Master Data Guide:** A guide explaining the management of master data within MOSIP, which includes reference data like location codes, demographic information, and other essential parameters used by the system. Click [here](#) to learn more.
7. **Partners:** Information about the MOSIP partner ecosystem, detailing how organisations can integrate with MOSIP. Click [here](#) to learn more.

We encourage you to review these materials ahead of the session to enhance your learning experience. Thank you, and we look forward to your participation in the session!