



March 2025
Manilla, Philippines



MOSIP

Knowledge Sharing Session
Introduction to MOSIP Customization

Abdul Bathish , Nithya, Chithara - MOSIP





Introduction to MOSIP Customization

Welcome to this introductory session on MOSIP Customization, where we'll explore how MOSIP's flexible platform can be adapted to meet unique country requirements for identity management. This 90-minute overview is designed to help everyone understand the various customization possibilities across MOSIP's components.

We'll touch base on key customizable areas including ID Schema, master data structures, UI specifications, registration processing, and integration possibilities with external systems. Our goal is to provide you with a clear understanding of what can be customized in MOSIP, setting the foundation for your country's identity system implementation planning.



Setting the Stage: MOSIP's Learning Path

1 MOSIP's Core Strength

As a platform designed for adaptability, offering a foundation for national ID programs through its modular architecture. Its customizable components enable countries to implement ID systems tailored to their specific requirements and need.

2 What's Ahead

This session will provide an overview of MOSIP's customization capabilities, exploring where and what can be customized across different components. We'll walk through the key customizable areas and integration points, helping you understand the available options.

3 Today's Approach

Today's training includes interactive demonstrations, live customization examples, and a focus on practical application within an open discussion environment, ensuring you gain valuable, actionable knowledge.



MOSIP Customization: The Power of Choice

1 End-to-End Customization

MOSIP offers extensive customization possibilities through its modular architecture, allowing you to tailor the system to your precise requirements, from enrollment to authentication processes.

2 Core Customization Areas

Key areas for customization include Identity Management (ID Schema design, data capture), User Interface (pre-registration portal), Process Flows (registration processing), and Integration Points.

3 Unique Solution Building

By mixing and matching capabilities, you can build a unique solution that scales as needed and future-proofs your architecture, ensuring long-term adaptability and efficiency.



Identity Journey in MOSIP



Foundational ID

Provides a base identity for every resident, creating a single source of truth with verified demographic and biometric data and a unique identification number.



Functional IDs

Built on the foundational identity, these are purpose-specific credentials such as Health IDs, Education IDs, Social Benefits, and Financial Inclusion IDs.

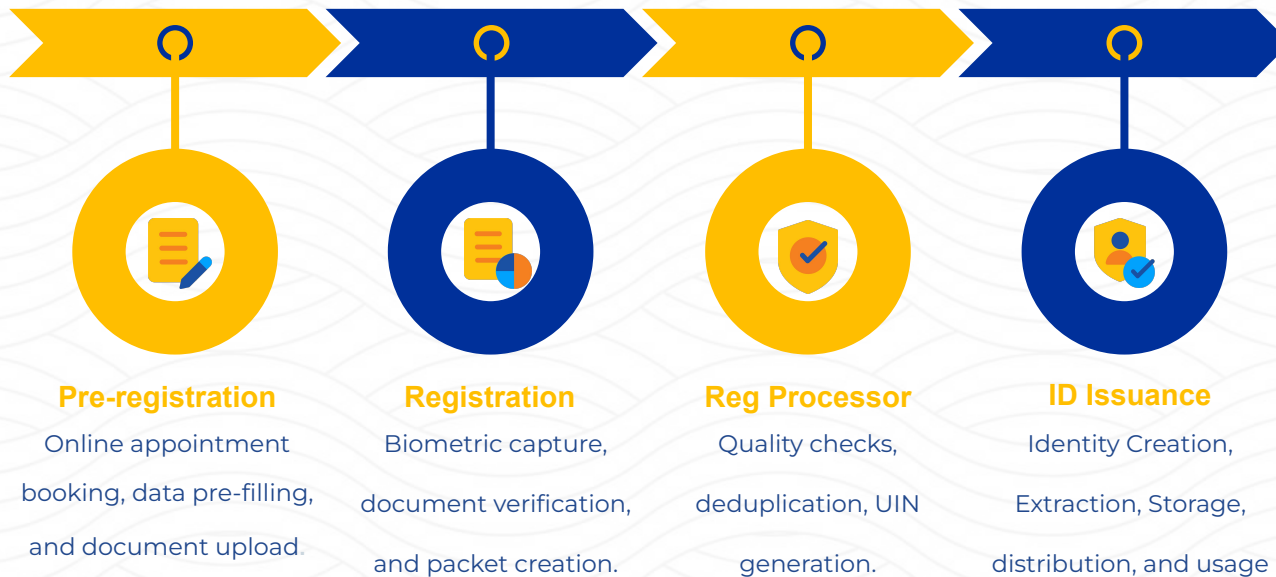


ID Issuance Flow

The process includes pre-registration, registration processing, deduplication, UIN generation, credential issuance, and ID distribution, ensuring a seamless and secure journey.



MOSIP Core Modules: Key Building Blocks





ID ISSUANCE





PERSONAL IDENTIFIABLE INFORMATION: (PII)

1 What is Personal Identifiable Information

Personal Identifiable Information (PII) refers to any data that can be used to identify, locate, or contact an individual. It's considered sensitive data that can be used for identity.

2 Attributes of PII

The attributes of PII generally include any information that directly or indirectly identifies a person.

3 ID Object

ID Object describes attributes that a country or entity will capture from an Individual.



Identity Schema & Customization of ID Schema





ID SCHEMA

1 What is ID Schema

The dataset & the final data to be stored in ID Repository for a resident. Is a standard Json Schema that allows adopters to customize fields as per the country's needs.

2 Functionality of ID Schema

Defining the ID schema is the first step in creating a ID system on the MOSIP platform. All applications must follow the same schema. Transactional data needed for claim validation is excluded from the ID and will not be stored in the final ID repository, ensuring privacy and security..

3 Version and Best Practice

Each ID Schema is versioned upon publication, and the schema version is validated during ID Object validation. To ensure privacy and avoid profiling, it is recommended to minimize the number of fields and maintain a single version of the schema for better compatibility



Sample ID Schema Field attributes

| Attribute Name | Values | Mandatory | Will the Data be stored? | Business Rules or Validations |
|-----------------------------|---|-------------|--------------------------|---|
| First Name | | Yes | ID | 1. Max 50 character length 2. Min 2 character length |
| Last Name | | Yes | ID | 1. Max 50 character length 2. Min 2 character length |
| Gender | Male | Yes | ID | |
| | Female | Yes | | |
| | Others | Yes | | |
| Resident Status | Non-foreigner | No | ID | |
| | Foreigner | No | | |
| Nationality | Location | Yes | ID | |
| Address | | Yes | ID | 1. Max 50 character length 2. Min 3 character length |
| Mobile Number | | No | ID | (Country code) eight digits |
| Email Address | | No | ID | 1. Basic Email ID validation |
| Guardian/Introducer Details | Guardian ID Number(UIN) | Conditional | Evidence | If available |
| Biometrics of Individual | All Fingers | Yes | ID | Mandatory for New registration |
| | Both Iris | No | | |
| | Face Photograph | Yes | | |
| Documents | Electricity Bill, Rental Contract | No | Evidence | |
| | Identity Card, Driving license, Passport, Voting Card, Certificate of Birth, Family Card, Refugee | Conditional | | |
| | Certificate of Relationship | No | | |
| | Birth Certificate | No | | |
| UIN | | Conditional | ID | 1.12 digits 2. Using UGD System Generator |



Understanding ID Schema

- ◆ **Field:** Unit of data collected from residents (eg. **full Name, date Of Birth, proof Of Identity** etc).
- ◆ **Field attribute:** Qualification of Field (e.g.: **field Category, fieldType**, etc).
- ◆ **Definition:** Custom data types are defined for collecting different types of data:

a) **simpleType:** Multiple languages.

Ex: **gender**: {

```
"bioAttributes": [],  
"fieldCategory": "pvt",  
"format": "",  
"fieldType": "default",  
"$ref": "#/definitions/simpleType"  
}
```

b) **documentType:** Document metadata.

Ex: **proofOfAddress**: {

```
|  
"bioAttributes": [],  
"fieldCategory": "pvt",  
"format": "none",  
"fieldType": "default",  
"$ref": "#/definitions/document1"  
}
```

c) **biometric Type:** Biometric file

Ex: **introducerBiometrics**: {

```
"fieldCategory": "pvt",  
"format": "none",  
"fieldType": "default",  
"$ref": "#/definitions/biometricsType"  
}
```



ID Schema Field Attributes

a) **simpleType**: Multiple languages.

Ex: **gender**: {

```

"bioAttributes": [],
"fieldCategory": "pvt",
"format": "",
"fieldType": "default",
"$ref": "#/definitions/simpleType"
}

```

- 1** **BioAttribures**
- 2** **FieldCategory**
- 3** **format**
- 4** **FieldType**
- 5** **Validators**

IRIS : leftEye, rightEye
Fingerprint : leftIndex,
 leftRing, leftLittle,
 leftMiddle, rightIndex,
 rightRing, rightMiddle,
 rightLittle, rightThumb,
 leftThumb,

Face

None
 Pvt
 Kyc
 Evidence
 optional

Lowercased
 Uppercased
 None

default
 dynamic

Type: Validation engine type.
 Supported type as of now is regex.
validator: The actual regex pattern
 is used here.
arguments: Array to hold
 parameter or dependent field IDs
 required for validation



Sample ID Schema



```
{
  "$schema": "http://\json-schema.org/draft-07/schema#",
  "description": "MOSIP Sample identity",
  "additionalProperties": false,
  "title": "MOSIP identity",
  "type": "object",
  "definitions": {
    "simpleType": {
      "uniqueItems": true,
      "additionalItems": false,
      "type": "array",
      "items": {
        "additionalProperties": false,
        "type": "object",
        "required": [ "language", "value" ],
        "properties": {
          "language": { "type": "string" },
          "value": { "type": "string" }
        }
      }
    },
    "documentType": {
      "additionalProperties": false,
      "type": "object",
      "properties": {
        "format": { "type": "string" },
        "type": { "type": "string" },
        "value": { "type": "string" },
        "refNumber": { "type": [ "string", "null" ] }
      }
    },
    "biometricsType" : {
      "additionalProperties": false,
      "type": "object",
      "properties": {
        "format": { "type": "string" },
        "version": { "type": "number", "minimum": 0 },
        "value": { "type": "string" }
      }
    }
  }
}
```

Custom data type definition

```
"properties": {
  "identity": {
    "additionalProperties": false,
    "type": "object",
    "required": [
      "IDSchemaVersion",
      "fullName",
      "dateOfBirth",
      "gender",
      "addressLine1",
      "addressLine2",
      "addressLine3",
      "region",
      "province",
      "city",
      "zone",
      "postalCode",
      "phone",
      "email",
      "proofOfIdentity",
      "individualBiometrics"
    ]
  },
  "properties": {
    "proofOfAddress": {
      "bioAttributes": [ ],
      "fieldCategory": "pvt",
      "format": "none",
      "fieldType": "default",
      "$ref": "#/definitions/documentType"
    },
    "gender": {
      "bioAttributes": [ ],
      "fieldCategory": "pvt",
      "format": "",
      "fieldType": "default",
      "$ref": "#/definitions/simpleType"
    }
  }
}
```



Customization of ID Schema – adding *Marital Status*



```
""properties"": {
  ""identity"": {
    ""additionalProperties"": false,
    ""type"": ""object"",
    ""required"":
      [
        ""IDSchemaVersion"",
        ""fullName"",
        ""dateOfBirth"",
        ""gender"",
        ""addressLine1"",
        ""addressLine2"",
        ""addressLine3"",
        ""region"",
        ""province"",
        ""city"",
        ""zone"",
        ""postalCode"",
        ""phone"",
        ""email"",
        ""proofOfIdentity"",
        ""individualBiometrics""
      ],
    ""properties"":
    {
      ""proofOfAddress"":
      {
        ""bioAttributes"": [ ],
        ""fieldCategory"": ""pvt"",
        ""format"": ""none"",
        ""fieldType"": ""default"",
        ""$ref"": ""#\definitions\documentType""
      },
      ""gender"":
      {
        ""bioAttributes"": [ ],
        ""fieldCategory"": ""pvt"",
        ""format"": """",
        ""fieldType"": ""default"",
        ""$ref"": ""#\definitions\simpletype""
      },
      ""bioAttributes"": [ ],
      ""fieldCategory"": ""pvt"",
      ""format"": """",
      ""fieldType"": ""default"",
      ""$ref"": ""#\definitions\simpletype""
    }
  },
}
```

```
""required"":
[
  ""IDSchemaVersion"",
  ""fullName"",
  ""dateOfBirth"",
  ""gender"",
  ""addressLine1"",
  ""addressLine2"",
  ""addressLine3"",
  ""region"",
  ""province"",
  ""city"",
  ""zone"",
  ""postalCode"",
  ""phone"",
  ""email"",
  ""proofOfIdentity"",
  ""individualBiometrics""
],
""properties"":
{
  ""proofOfAddress"":
  {
    ""bioAttributes"": [ ],
    ""fieldCategory"": ""pvt"",
    ""format"": ""none"",
    ""fieldType"": ""default"",
    ""$ref"": ""#\definitions\documentType""
  },
  ""gender"":
  {
    ""bioAttributes"": [ ],
    ""fieldCategory"": ""pvt"",
    ""format"": """",
    ""fieldType"": ""default"",
    ""$ref"": ""#\definitions\simpletype""
  },
  "" Maritalstatus "" :
  {
    ""bioAttributes"": [ ],
    ""fieldCategory"": ""pvt"",
    ""format"": """",
    ""fieldType"": ""default"",
  }
}
```



Sample ID Schema

[Sample ID Schema json](#)



UI Spec & Customization of UI Spec



UI SPEC: Interface Blueprint

1 What is UI SPEC

UI Spec is a json schema It is derived from **ID Schema**.

2 Functionality

Json schema that defines & controls the rendering of UI. That is,

Appearance: How the field looks (color, size, font, etc.).

Behaviour: How the field behaves (validation rules, interactions, etc.).

Functional: The type of data expected (text, number, date, etc.)

3 Flexibility & Usage

- using JSON to specify the UI components, modifications to the UI can be made without altering the application code.
- This allows non-developers or product managers to change the UI design (e.g., adding a new input field or changing the field order) **without** needing code changes or developer intervention

Used to render UI in

- Pre-Registration
- Registration-client

4 Benefits

Separation of Concerns: The UI logic is separated from the business logic, making it easier to update the design or functionality independently.

Easier UI Customization: With UI specs in JSON format, it's simpler to adjust the UI for different use cases (like registration vs. pre-registration).



UI Specification & Properties:

| | | | |
|---------------|---|--------------------------|--|
| id | Unique id provided to a field to distinctly identify it | transliterate | Language is transliterated to other |
| description | Describes the field | minimum | Applicable only for date controlType(defined in days) |
| label | Defines the label for the field in different languages | maximum | Applicable only for date controlType(defined in days) |
| controlType | Textbox, dropdown, fileupload, ageDate | visible | Defines an expression which will decide the visibility |
| inputRequired | Decides if field is to be displayed in the UI | requiredOn | Defines an expression which will decide the requirement |
| required | Decides if field is to be required or not | alignmentGroup | Is used to group the fields on the screen |
| type | Number, string and simpleType | bioAttributes | "leftEye", "rightEye", "rightIndex", "rightLittle", "rightRing", "rightMiddle", "leftIndex", "leftLittle", "leftRing", "leftMiddle", "leftThumb", "rightThumb", "face" |
| fieldType | Field is of type default or dynamic | conditionalBioAttributes | Capture of bioAttributes can be conditionally mandatory based on age group |
| subType | Used to populate the options for dynamic fields | changeAction | Can be added to define interaction between the 2 or more form fields when user changes value in one of them |
| validators | Adds the list of language specific validators for the field | | |



Sample UI Spec

[Pre-registration: New Application.json](#)

[Registration-client: New Registration json](#)

[Registration-client: Update Registration json](#)

[Registration-client: Lost UIN json](#)

[Registration-client: Biometric Correction.json](#)



Pre-Registration: Demographic details – UI Spec & UI

```
"id": "firstName",
"description": "First Name",
"labelName": {
  "eng": "First Name",
  "hin": "पहला नाम",
  "ara": "الاسم الأول",
  "fra": "Prénom",
  "spa": "Nombre de pila"
},
"controlType": "textbox",
"inputRequired": true,
"fieldType": "default",
"type": "simpleType",
"validators": [
  {
    "type": "regex",
    "validator": "^(?=.{0,50}$).*",
    "arguments": []
  }
],
"required": true,
"transliteration": true
```

```
{
  "id": "gender",
  "description": "Enter Gender",
  "labelName": {
    "eng": "Gender",
    "hin": "लिंग",
    "ara": "جنس تذكير أو أنثى",
    "fra": "Le genre",
    "spa": "Género"
  },
  "controlType": "dropdown",
  "inputRequired": true,
  "fieldType": "dynamic",
  "subType": "gender",
  "type": "simpleType",
  "validators": [],
  "required": true
},
```

Demographics Details — Upload Document — Book Appointment — Confirmation

Demographic Details (English)

CHANGE DATA CAPTURE LANGUAGES

| | | | |
|----------------------|------------------------------------|---------------------------------|------------------------------------|
| First Name : | Middle Name : | Last Name : | Date Of Birth : |
| First Name Nithya | Middle Name | Last Name Pichumani | DD/MM/YYYY 1/1/1990 OR 45 Years |
| Gender : | Street Address : | State : | City : |
| Gender Female | Street Address 49 Milson street | State Karnataka | Search Bengaluru Mysuru |
| Postal Code : | Phone : | Email : | |
| Postal Code ▼ | Phone 7022182152 | Email nithya.mosip@gmail.com | |

CONTINUE



UI - Spec Customization



UI-Spec Customization: Address being optional

```
{
  "id": "addressLine3",
  "description": "addressLine3",
  "labelName": {
    "eng": "Address Line3",
    "ara": "Ø$Û,,Ø¹Û+Û^Ø$Û† Ø$Û,,Ø²Ø·Ø± 3",
    "fra": "Adresse 3"
  },
  "controlType": "textbox",
  "inputRequired": true,
  "fieldType": "default",
  "type": "simpleType",
  "validators": [
    {
      "type": "regex",
      "validator": "^(?=.{0,50}$).*",
      "arguments": []
    }
  ],
  "required": false,
  "transliteration": true
}
```

Demographic Details (English français)

| | | |
|---------------------------------------|--|------------------------------------|
| Full Name : * | Date Of Birth : * | Gender : * |
| Full Name <input type="text"/> | DD/MM/YYYY <input type="text"/> OR Age <input type="text"/> Years <input type="text"/> | Gender <input type="text"/> |
| Nom complet <input type="text"/> | | |
| Residence Status : * | Address Line1 : * | Address Line2 : |
| Residence Status <input type="text"/> | Address Line1 <input type="text"/> | Address Line2 <input type="text"/> |
| | Adresse 1 <input type="text"/> | Adresse 2 <input type="text"/> |
| Address Line3 : | Region : * | Province : * |
| Address Line3 <input type="text"/> | Region <input type="text"/> | Province <input type="text"/> |
| Adresse 3 <input type="text"/> | | |



UI-Spec Customization: *Address is mandatory*

```
{
  "id": "addressLine3",
  "description": "addressLine3",
  "labelName": {
    "eng": "Address Line3",
    "ara": "Ø$Ù,,Ø¹Ù†Ù^Ø$Ù† Ø$Ù,,Ø³Ø·Ø± 3",
    "fra": "Adresse 3"
  },
  "controlType": "textbox",
  "inputRequired": true,
  "fieldType": "default",
  "type": "simpleType",
  "validators": [
    {
      "type": "regex",
      "validator": "^(?=.{0,50}$).*",
      "arguments": []
    }
  ],
  "required": true,
  "transliteration": true
},
```

Demographic Details (English français)

| | | |
|--|--|--|
| Full Name : * Full Name Nom complet | Date Of Birth : * DD/MM/YYYY OR Age Years | Gender : * Gender |
| Residence Status : * Residence Status | Address Line1 : * Address Line1 Adresse 1 | Address Line2 : Address Line2 Adresse 2 |
| Address Line3 : * Address Line3 Adresse 3 | Region : * Region | Province : * Province |



UI-Spec Customization: Label for phone

```
"id": "phone",  
"description": "phone",  
"labelName": {  
  "eng": "Phone",  
  "ara": "هاتف",  
  "fra": "TÃ©lÃ©phone"  
},  
"controlType": "textbox",  
"inputRequired": true,  
"fieldType": "default",  
"type": "string",  
"validators": [  
  {  
    "type": "regex",  
    "validator": "^[([6-9]{1}) ([0-9]{9})$",  
    "arguments": []  
  }  
],  
"required": true
```

| | | |
|---|----------------------|--------------------------------|
| Address Line3 : Address Line3 Adresse 3 | Region : * Region | Province : * Province |
| City : * City | Zone : * Zone | Postal Code : * Postal Code |
| Phone : * Phone | Email : * Email | |



UI-Spec Customization: Label Mobile Number

```
{
  "id": "phone",
  "description": "phone",
  "labelName": {
    "eng": "Mobile Number",
    "ara": "الهاتف المحمول",
    "fra": "Numéro de portable"
  },
  "controlType": "textbox",
  "inputRequired": true,
  "fieldType": "default",
  "type": "string",
  "validators": [
    {
      "type": "regex",
      "validator": "^[6-9]{1}([0-9]{9})$",
      "arguments": []
    }
  ],
  "required": true
},
```

| | | |
|-------------------|------------|-----------------|
| Address Line3 : * | Region : * | Province : * |
| Address Line3 | Region | Province |
| Adresse 3 | | |
| City : * | Zone : * | Postal Code : * |
| City | Zone | Postal Code |
| | | |
| Mobile Number : * | Email : * | |
| Mobile Number | Email | |



UI-Spec Customization: Removing IRIS capture

Before

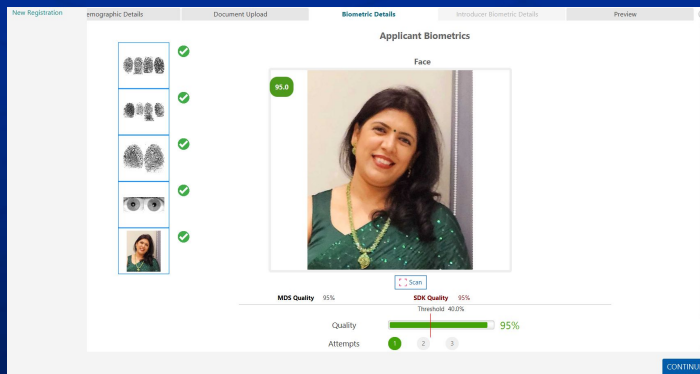
```

"individualBiometrics": {
  "bioAttributes": [
    "leftEye",
    "rightEye",
    "rightIndex",
    "rightLittle",
    "rightRing",
    "rightMiddle",
    "leftIndex",
    "leftLittle",
    "leftRing",
    "leftMiddle",
    "leftThumb",
    "rightThumb",
    "face"
  ],
  "fieldCategory": "pvt",
  "format": "none",
  "fieldType": "default",
  "$ref": "#/definitions/biometricsType"
}

```

ID Schema

Before



After

```

"individualBiometrics": {
  "bioAttributes": [
    "face"
  ],
  "fieldCategory": "pvt",
  "format": "none",
  "fieldType": "default",
  "$ref": "#/definitions/biometricsType"
}

```

ID Schema

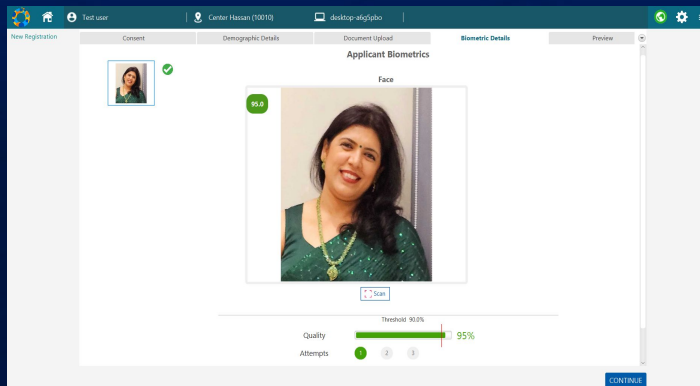
```

"group": "Biometrics",
"groupLabel": null,
"changeAction": null,
"transliterate": false,
"templateName": null,
"fieldLayout": null,
"locationHierarchy": null,
"conditionalBioAttributes": [
  {
    "ageGroup": "INFANT",
    "process": "ALL",
    "validationExpr": "face",
    "bioAttributes": [
      "face"
    ]
  }
],
"required": true,
"bioAttributes": [
  "leftEye",
  "rightEye",
  "rightIndex",
  "rightLittle",
  "rightRing",
  "rightMiddle",
  "leftIndex",
  "leftLittle",
  "leftRing",
  "leftMiddle",
  "leftThumb",
  "rightThumb",
  "face"
]

```

UI-Spec

After



UI-Spec

```

{
  "id": "individualBiometrics",
  "inputRequired": true,
  "type": "biometricsType",
  "minimum": 0,
  "maximum": 0,
  "description": "",
  "label": {
    "eng": "Applicant Biometrics",
    "spa": "Biometría del solicitante",
    "fra": "Biométrie du candidat",
    "ara": "القياسات الحيوية للطلب"
  },
  "controlType": "biometrics",
  "fieldType": "default",
  "format": "none",
  "validators": [],
  "fieldCategory": "pvt",
  "alignmentGroup": null,
  "visible": null,
  "group": "Biometrics",
  "contactType": null,
  "groupLabel": null,
  "changeAction": null,
  "transliterate": false,
  "templateName": null,
  "fieldLayout": null,
  "locationHierarchy": null,
  "conditionalBioAttributes": [
    {
      "ageGroup": "INFANT",
      "process": "ALL",
      "validationExpr": "face",
      "bioAttributes": [
        "face"
      ]
    }
  ],
  "required": true,
  "bioAttributes": [
    "face"
  ],
  "requiredOn": [],
  "subType": "applicant"
}

```



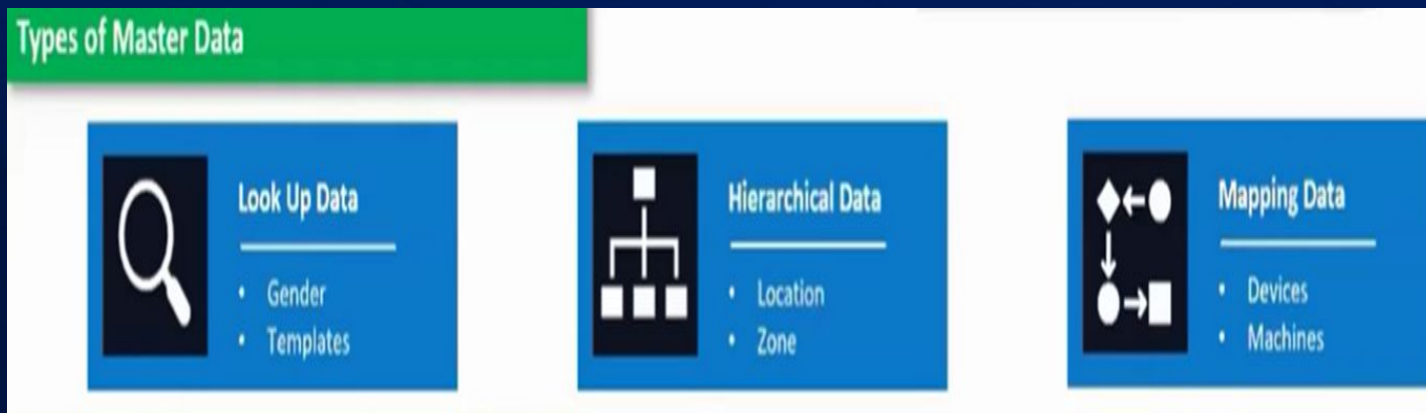
Master Data & Templates



Master Data

- Masterdata is the necessary base data needed to run MOSIP services.
- Data that needs to be customized for a country specific deployment.
- Initial one-time bulk upload of data.
- Subsequent update of this data can be done as and when necessary

Types of Master Data:





Lookup Data:

Demographics Details — Upload Document — Book Appointment — Confirmation

Demographic Details (English) CHANGE DATA CAPTURE LANGUAGES

| | | | |
|---|---|---|---|
| First Name : * First Name Nithya | Middle Name : Middle Name | Last Name : * Last Name Pichumani | Date Of Birth : * DD/MM/YYYY OR Age 1/1/1980 OR 45 Years |
| Gender : * Gender Search Female Others Male | Street Address : * Street Address 49 milson street | State : * State State is required | City : * City |
| Postal Code : | Phone : * Phone | Email : * Email nithya.mosip@gmail.com | |

Gender: Lookup data



Hierarchical Data:

Demographics Details — Upload Document — Book Appointment — Confirmation

Demographic Details (English) CHANGE DATA CAPTURE LANGUAGES

| | | | |
|---|---|---|--|
| First Name : * First Name Nithya | Middle Name : Middle Name | Last Name : * Last Name Pichumani | Date Of Birth : * DD/MM/YYYY Age 1/1/1980 OR 45 Years |
| Gender : * Gender Female | Street Address : * Street Address 49 milson street | State : * State Karnataka | City : * City Bengaluru Mysuru |
| Postal Code : * Postal Code | Phone : * Phone | Email : * Email nithya.mosip@gmail.com | |

Based on state, list of city gets displayed



Sample Master Data

1. See sample Master Data
[Click here](#)



Master Data Examples

- **Postal Address Structure (Location Hierarchy)**

Defines the format for valid addresses.

- **Document Categories & Types**

Classifies and defines acceptable identity documents.

- **Machine Details (Enrolment Centres)**

Information about enrolment stations and devices.

- **Operator/Supervisor Details**

User information for operators and supervisors.

- **List of Holidays**

Defines system-wide holidays.



Master Data Examples

- **Registration Centre Details & Working Hours**

Information about registration centres and their operating hours.

- **Blocked Words List**

Words not allowed in the system for security reasons.

- **SMS/Email Templates**

Predefined messages for notifications.

- **ID Card Templates**

Formats for different types of ID cards.



Templates



TEMPLATES

1 What are Templates

Templates are predefined structures that define the attributes, fields, and format of master data within MOSIP.

2 Storage

They are stored in the **master database**.

3 Functionality

- To define notification texts (email/SMS) that will then be used to communicate with the resident.
- Define ID card design
- Define the structure and content of pre-registration and registration proofs etc.



Sample Template View:

Reg-Client Application Preview

| | |
|---------------------|------------------|
| Registration Number | Date |
| 59412806732017 | 19/02/2025 04:39 |

Demographic Information

| | | |
|------------|------------------------|---|
| First Name | Last Name | Photo |
| Nithya | Pichumani |  |
| DOB | Gender | |
| 1980/01/01 | Female | |
| Phone | Email | |
| 7022182152 | nithya.mosip@gmail.com | |

Address

Address

49 milson street


Documents

Biometrics

Applicant Biometrics

Fingers (10),Iris (0),Face (1)

Email notification for Pre-Registered application:



Dear Nithya Pichumani ,

Your Registration Number is 59412806732017.
Your appointment for registration has been scheduled on 2025-02-21 at 09:15 AM. Details of the registration center are Electronics City, RegistrationCenterAddress.

You will also receive the details on your registered phone.

Website: www.mosip.io
Phone: +91 80 4140 7777
Email: info@mosip.io
Address: IIT-B, 29/C, Electronic City, Hosur Road, Bangalore - 560100.

IMPORTANT: The information transmitted by this email is intended only for the person or entity to whom it is addressed. If you are not the intended recipient of this message, be aware that any use, review, retransmission, distribution, reproduction, or any action taken in reliance upon this message is strictly prohibited. Please notify us at feedback@mosip.io if you have received this in error, and kindly delete the document from all relevant devices.

ID Card


MOSIP Experience Centre


Sample Unique ID Card



UIN : 2189257617

VID : 2041746375219018

Name : Nithya Pichumani

DOB : 1980/01/01

Gender : Female

49 milson street, Bengaluru, Karnataka, 560100



Template Customisation

Dear \$name, OTP for username \$username is \$otp and is valid for \$validTime minutes (Generated on \$date at \$time hrs).

One time password from digital identify platfor

mo mosipcon.noreply@gmail.com • 🔍
▶ Tue, 18 Feb 2025 5:04:24 PM +0530

📧 To "chithara.ms" <chithara.ms@infystrat.com>

Tags 🏷️

Security 🔒 TLS [Learn more](#)

📖 🌐

Display now • External Images are not displayed

MOSIP EXPERIENCE CENTER

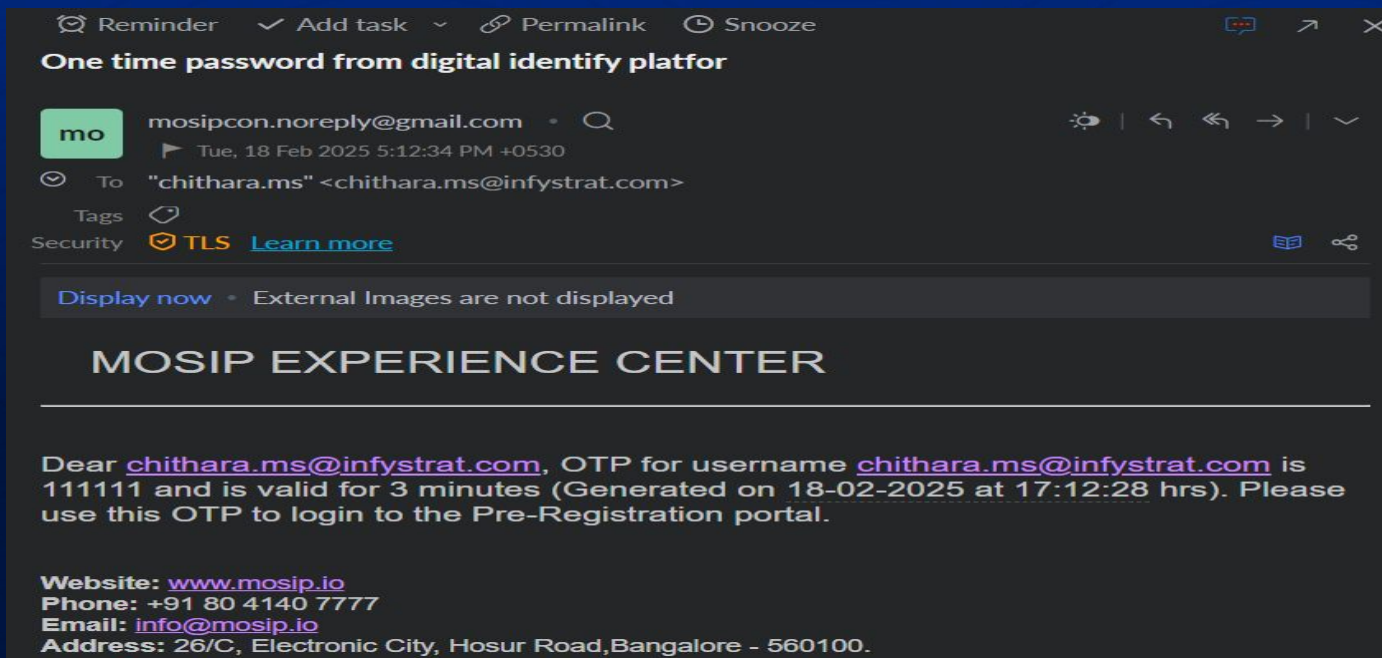
Dear chithara.ms@infystrat.com, OTP for username chithara.ms@infystrat.com is 111111 and is valid for 3 minutes (Generated on 18-02-2025 at 17:04:17 hrs).

Website: www.mosip.io
Phone: +91 80 4140 7777
Email: info@mosip.io
Address: 26/C, Electronic City, Hosur Road, Bangalore - 560100.



Template Customisation

Dear \$name, OTP for username \$username is \$otp and is valid for \$validTime minutes (Generated on \$date at \$time hrs). Please use this OTP to login to the Pre-Registration portal.

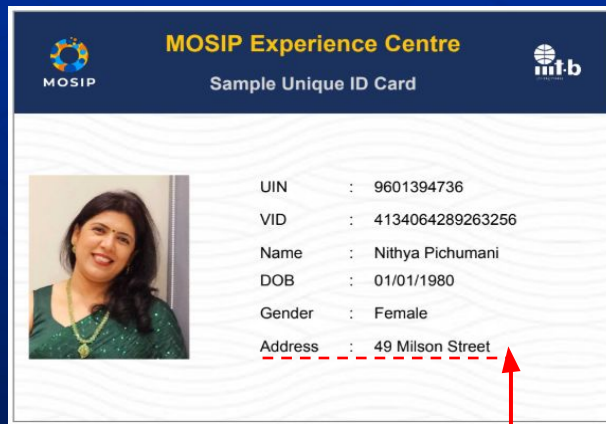






UIN Card Template Customisation – removing address from ID Card


```
#if ($!fullName)
<tr>
<td style="font-size:12px; padding-top:5px; ">Name</td>
<td style="font-size:12px; padding-top:5px; "></td>
<td style="font-size:12px; padding-top:5px; padding-left: 10px;">$!fullName</td>
</tr>
#end
</tr>
<tr>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px;">DOB</td>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px; "></td>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px; padding-left: 10px;">$!dateOfBirth
</td>
</tr>
<tr>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px;">Gender</td>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px; "></td>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px; padding-left: 10px;">$!gender_eng
</td>
</tr>
<tr>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px;">Address</td>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px; "></td>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px; padding-left: 10px;">$!address_eng
</td>
</tr>
</tr>
```

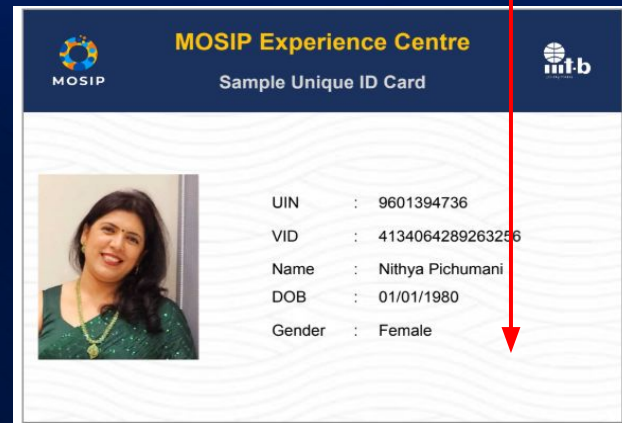
```
</tr>
#if ($!fullName)
<tr>
<td style="font-size:12px; padding-top:5px; ">Name</td>
<td style="font-size:12px; padding-top:5px; "></td>
<td style="font-size:12px; padding-top:5px; padding-left: 10px;">$!fullName</td>
</tr>
#end
</tr>
<tr>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px;">DOB</td>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px; "></td>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px; padding-left: 10px;">$!dateOfBirt
</td>
</tr>
<tr>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px;">Gender</td>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px; "></td>
<td style="font-size:12px; padding-top:5px; padding-bottom:5px; padding-left: 10px;">$!gender_eng
</td>
</tr>
</tr>
</table>
</pre>
```





MOSIP Experience Centre
Sample Unique ID Card




| | |
|---|----------------------------|
|  | UIN : 9601394736 |
| | VID : 4134064289263256 |
| | Name : Nithya Pichumani |
| | DOB : 01/01/1980 |
| | Gender : Female |
| | Address : 49 Milson Street |



MOSIP Experience Centre
Sample Unique ID Card



| | |
|--|-------------------------|
|  | UIN : 9601394736 |
| | VID : 4134064289263256 |
| | Name : Nithya Pichumani |
| | DOB : 01/01/1980 |
| | Gender : Female |



REGISTRATION PROCESSOR





Registration Processor: Engine of MOSIP

1 Scalable Event-Driven Architecture

- SEDA principles for high throughput
- Distributed processing capabilities
- Independent scaling of stages
- Real-time monitoring and tracking

2 Configurable Processing Pipeline

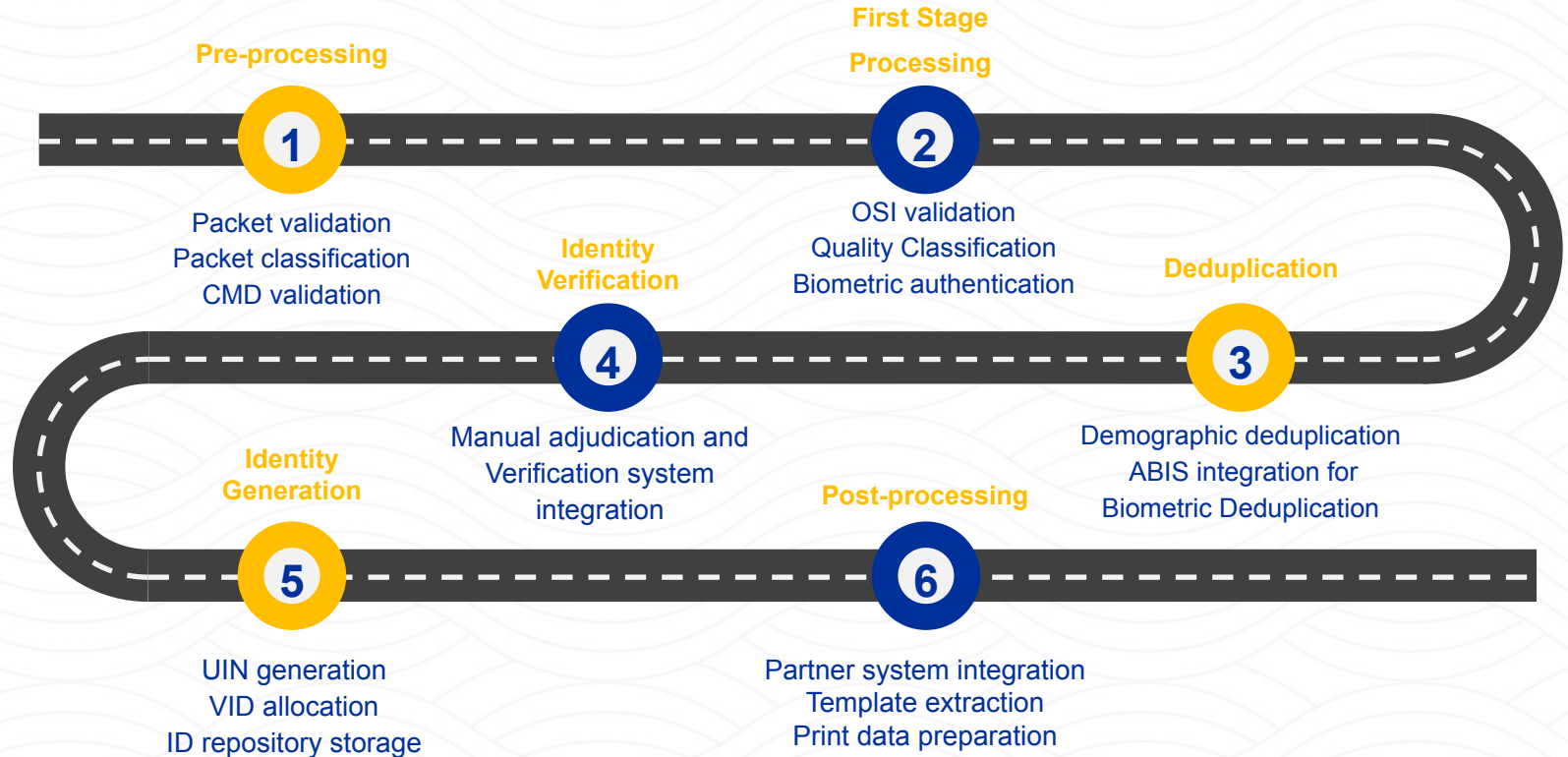
- Customizable validation stages
- Flexible routing with Apache Camel
- Plugin-based integration framework
- Policy-driven processing decisions

3 Comprehensive Integration Framework

- Seamless ABIS system integration
- External biometric SDK support
- Manual verification systems
- Credential Partner Integrations



Registration Journey: From Packet to Identity





ID ISSUANCE AND PRINTING





Partners: The Collaborative Pillars of MOSIP

1 Partners as Integration Foundations

MOSIP partners are entities that provide essential components and services to build a complete ID system. From biometric device providers to authentication services, all external integrations happen through partners who are classified into specific types

2 Multi-Provider Support

The platform supports concurrent operation of multiple service providers for each function - for example, different ABIS systems for face and fingerprint matching, or multiple credential issuers for both digital and physical ID formats.

3 Seamless Partner Management

Partners can be added, removed, or replaced without disrupting the core system. If we need to switch biometric providers or add new auth methods, these changes can be implemented without affecting other system components.



Policy Framework: The Guardian of Identity

1 Partner Policy Foundation

Partner policies establish a structured framework that governs how different partners interact with MOSIP. They define data access rules. Like a print partner, or Auth partner will have different set of way to receive data,

2 Granular Data Access Control

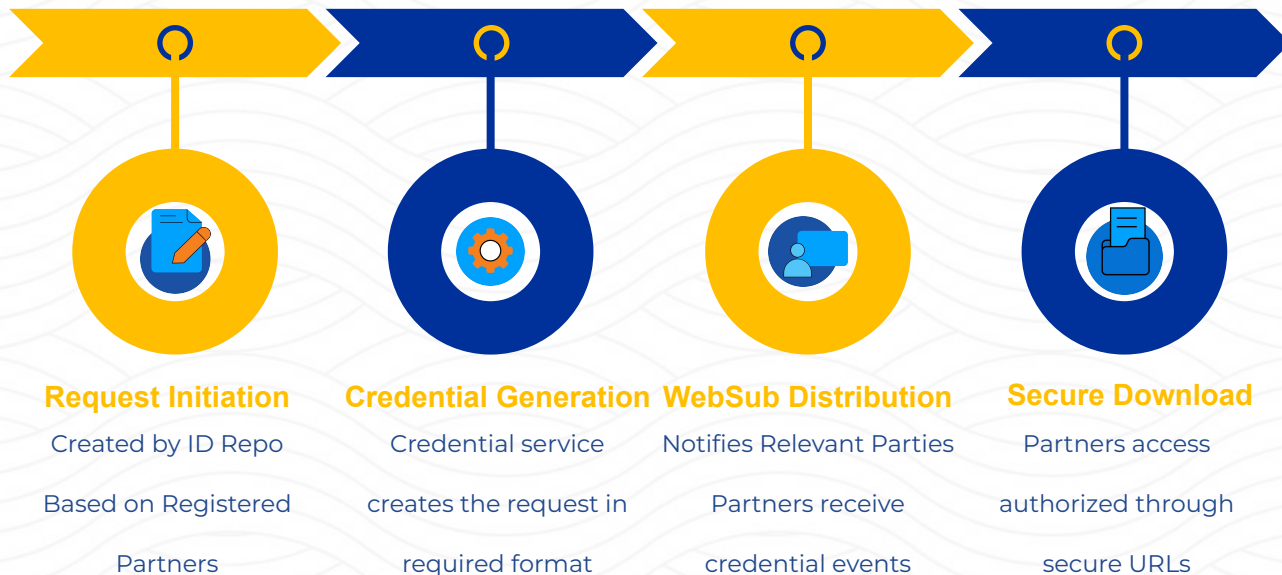
Policies enable precise control over what data each partner can access. This granular control ensures data sharing follows the principle of minimum necessary access and complies with privacy regulations.

3 Seamless Partner Management

Every partner must go through a policy-driven trust establishment process that includes certificate exchanges, policy mapping, and role-specific validations, This can be done through our PMS Portal.



Credential Distribution: The WebSub Symphony





Any Questions?



MOSIP

Thank You!

Homepage: www.mosip.io

Source Code: github.com/mosip

Documentation: docs.mosip.io

Community: community.mosip.io