



# Good Technology Adoption

## Part 1:

Fostering Reuse and Interoperability for Sustainable Solutions

**Moderator: Anita Mittal** | Digital Convergence Initiative (DCI)

### Panellists

- Annina Wersun (OpenCRVS)
- Ewnetu Abera (M4H)
- Jeremi Joslin (OpenSPP)
- Puneet Joshi (OpenG2P)



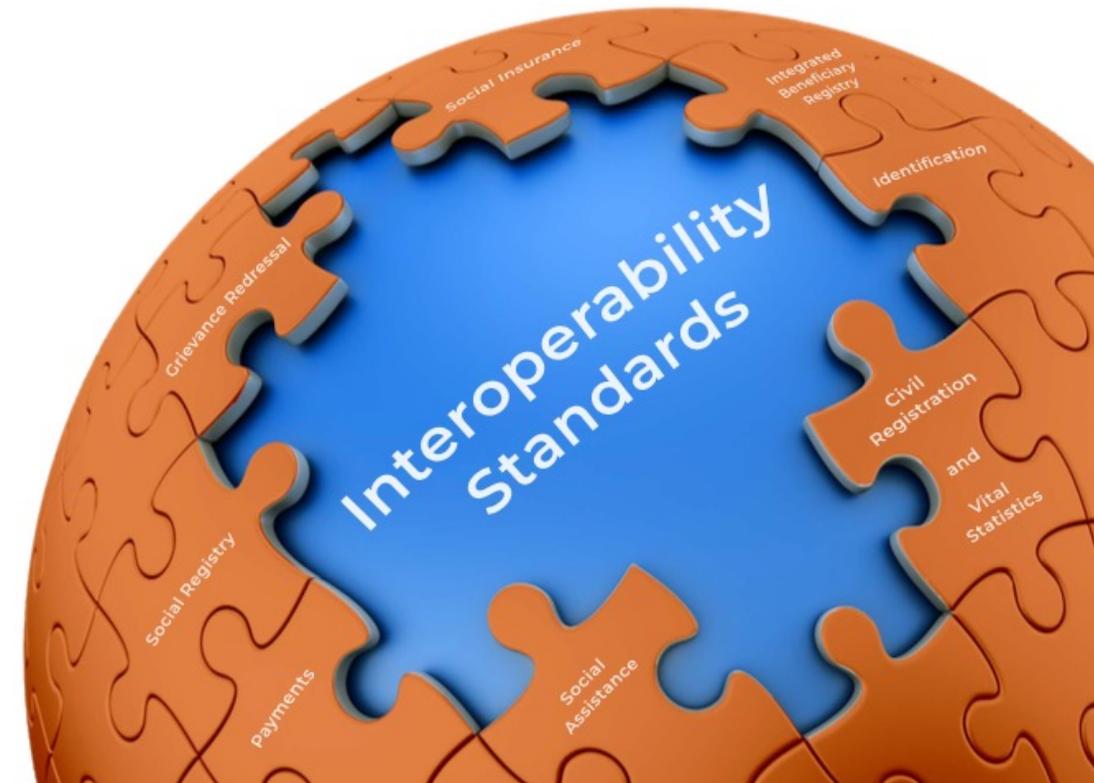
# Digital Convergence

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MOSIP Connect

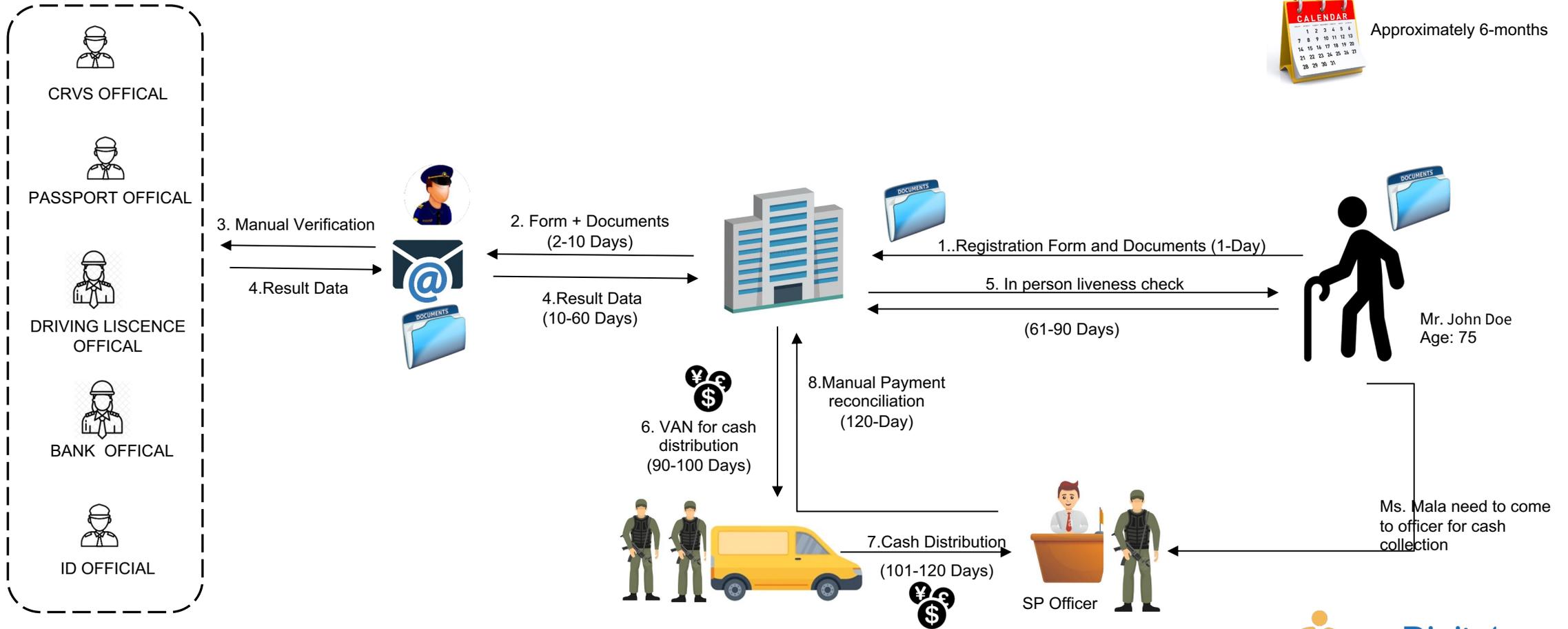
Interoperability in Social Protection

Anita Mittal



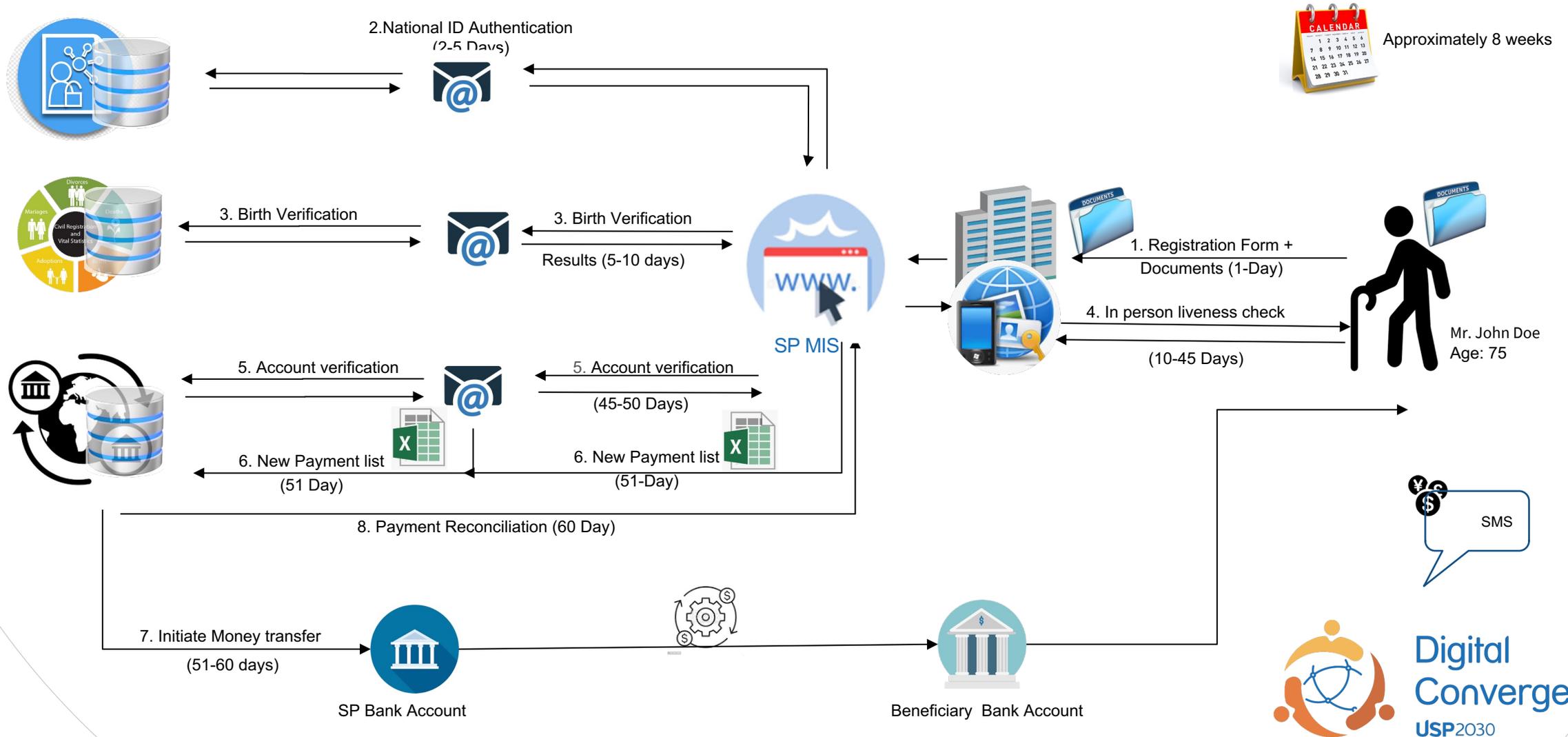
# Scenario – 1 : No Digital Systems

## Old Age Allowance Scheme



# Scenario – 2 : Without Interoperability but with Digital Systems

## Old Age Allowance Scheme

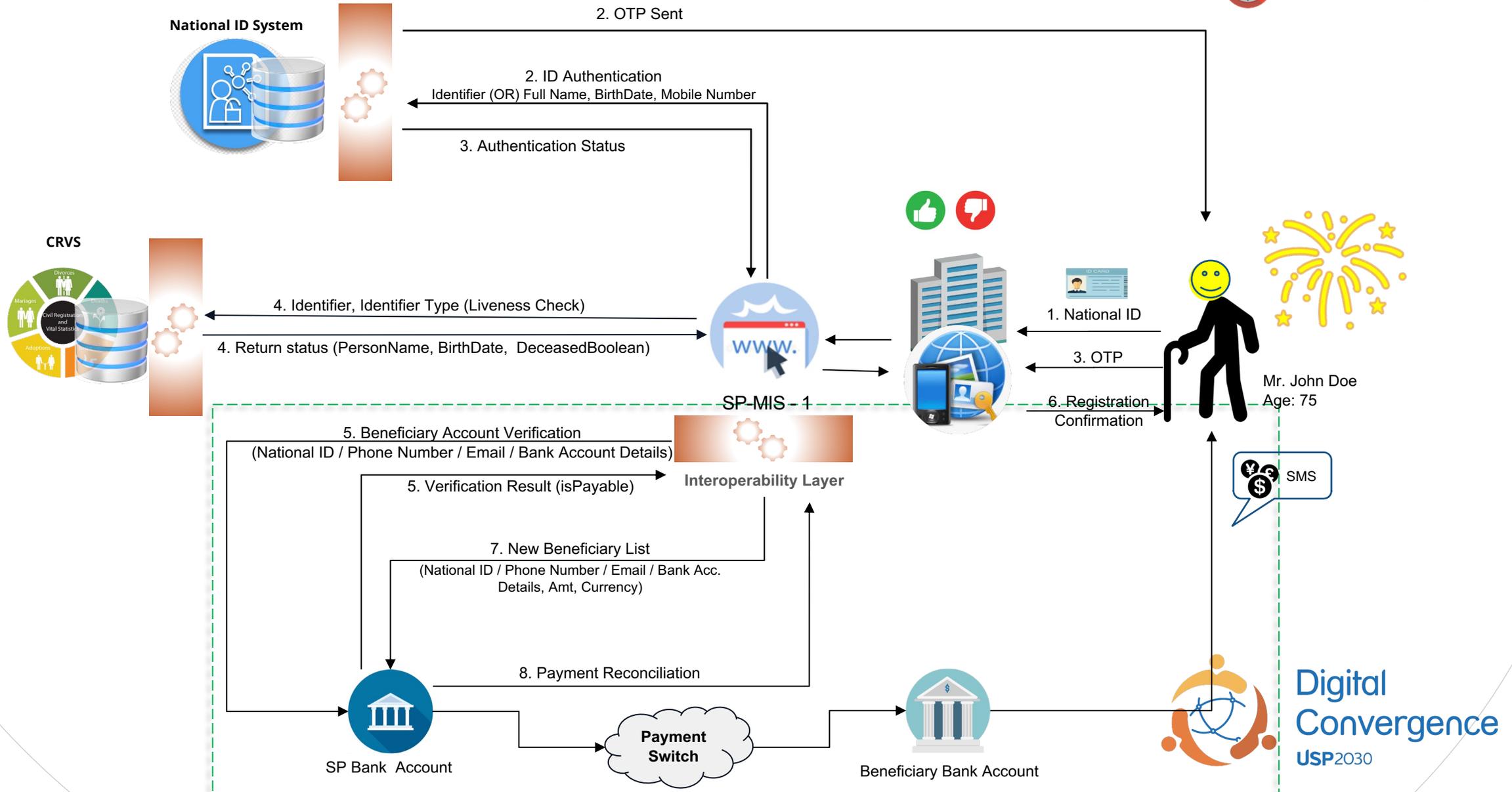


# Scenario – 3 : G2P: Interoperability with Payment Systems

Old Age Allowance Scheme



5-7 mins for Registration



# Interoperability – how?

Digital Health systems

OpenHIE Architecture specification

documents the *workflows (data exchanges) and the underlying standards* that support the workflows

FHIR (Fast Health Interoperability Resources) *standard for* health care *data exchange*, published by HL7.

Digital Social Protection systems

????



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# The Digital Convergence Initiative (DCI)

A joint effort by USP2030 members and non-members, governments, development partners and private sector towards creating a harmonized and interoperable digital ecosystem for social protection

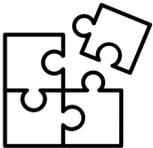
## Benefits of consensus-based standards for interoperability



Ecosystem of innovation



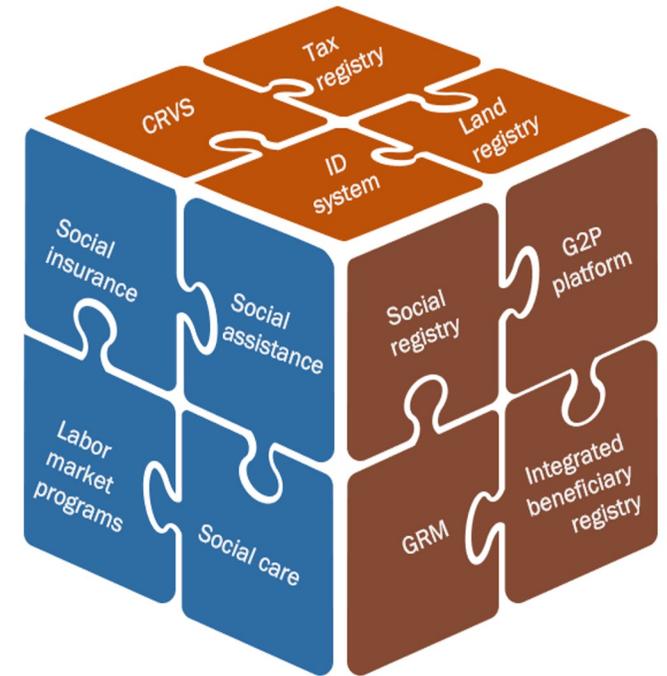
Reduced time and cost



Mix & Match components



Future-proof by design



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# Steering Group

Digital Convergence Initiative



International  
Labour  
Organization



**THE WORLD BANK**

IBRD • IDA | WORLD BANK GROUP

**giz**

Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH

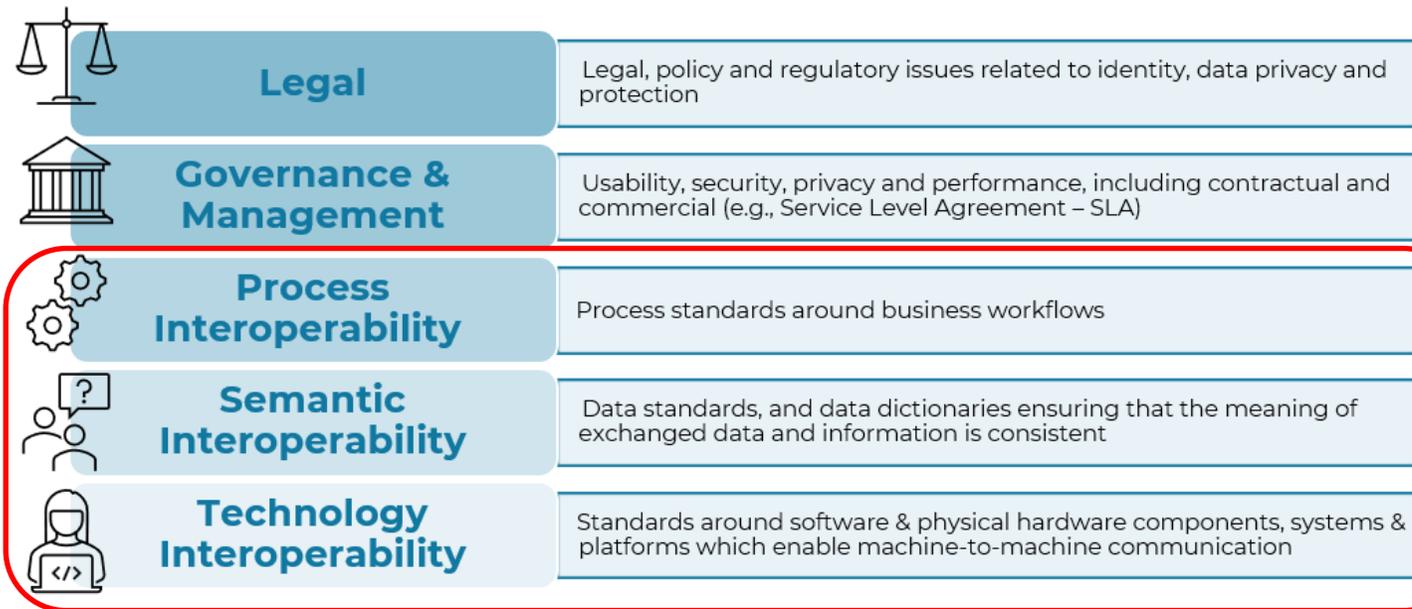


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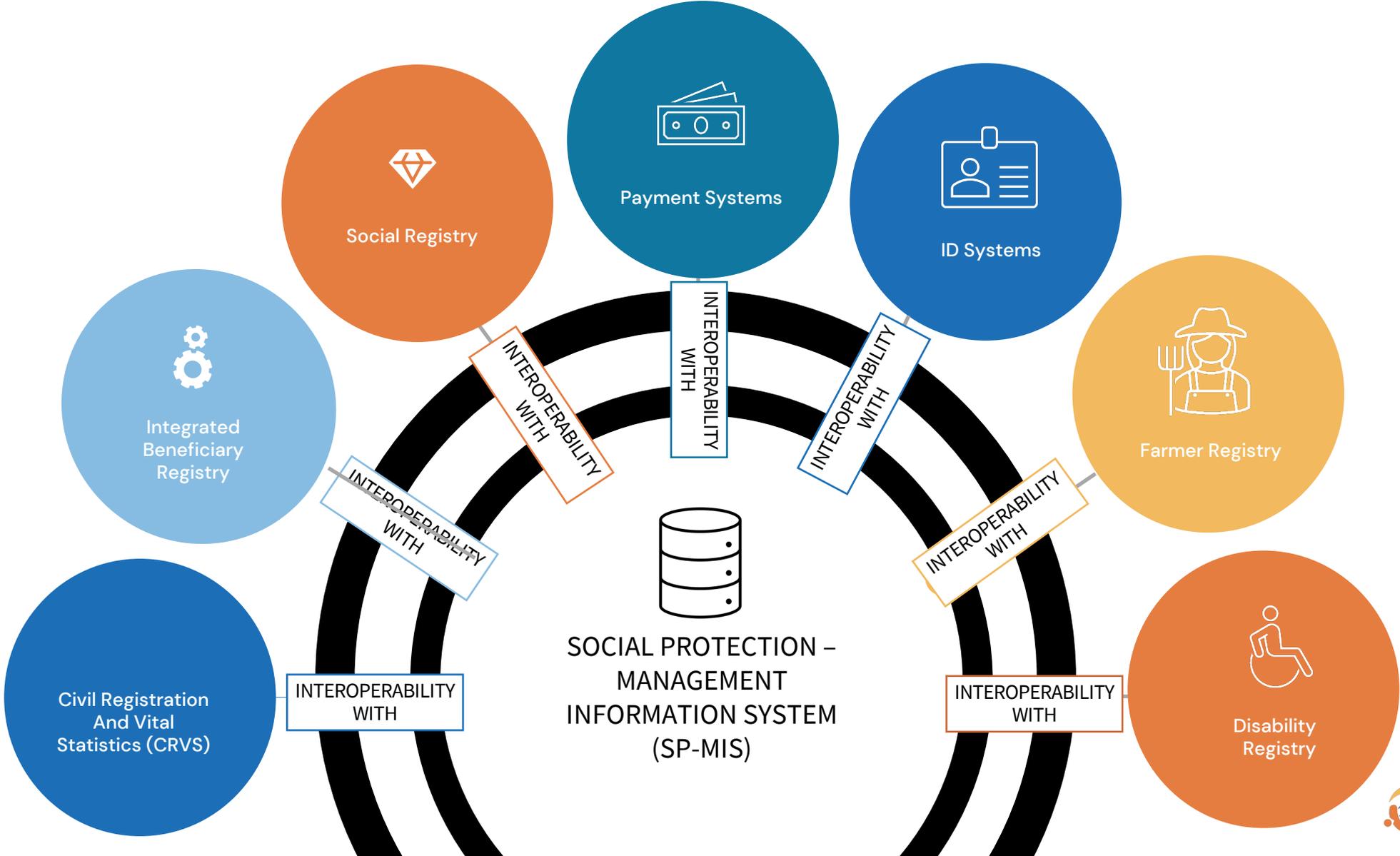
# What do we mean by Interoperability?

## DCI Interoperability framework

Based on EU Interoperability framework



# FOCUS ON INTERFACES : STANDARDS for INTEROPERABILITY OF SP-MIS WITH ANOTHER SYSTEM



# Workstreams to achieve the objective

## Talking Interoperability : Dialogue series

- Showcasing one country every month, to share approach and **technical details of their interoperable and integrated SP system**
- **13 webinars held**



## Interoperability in Action: Workshop series

- **Collaboration with Open-Source** software solutions (DPG)
- 7 Interoperability in Action workshops to **demonstrate live interoperability** in DCI sandbox
- Sharing of experience by experts from global organization and initiatives , countries and solution providers/DPG

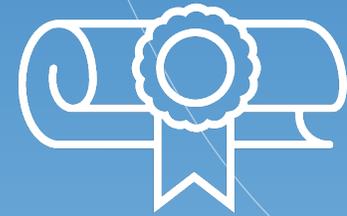
## Collaboration and community building

- **G2PConnect** – integration specifications
- **FAO** – farmer registry
- **ADB** – DCI session in 10 country workshop
- **Govstack**
- **DPGs**
  1. Mojaloop
  2. MOSIP
  3. OpenCRVS
  4. OpenSPP
  5. Core-MIS powered by OpenIMIS
  6. OpenG2P



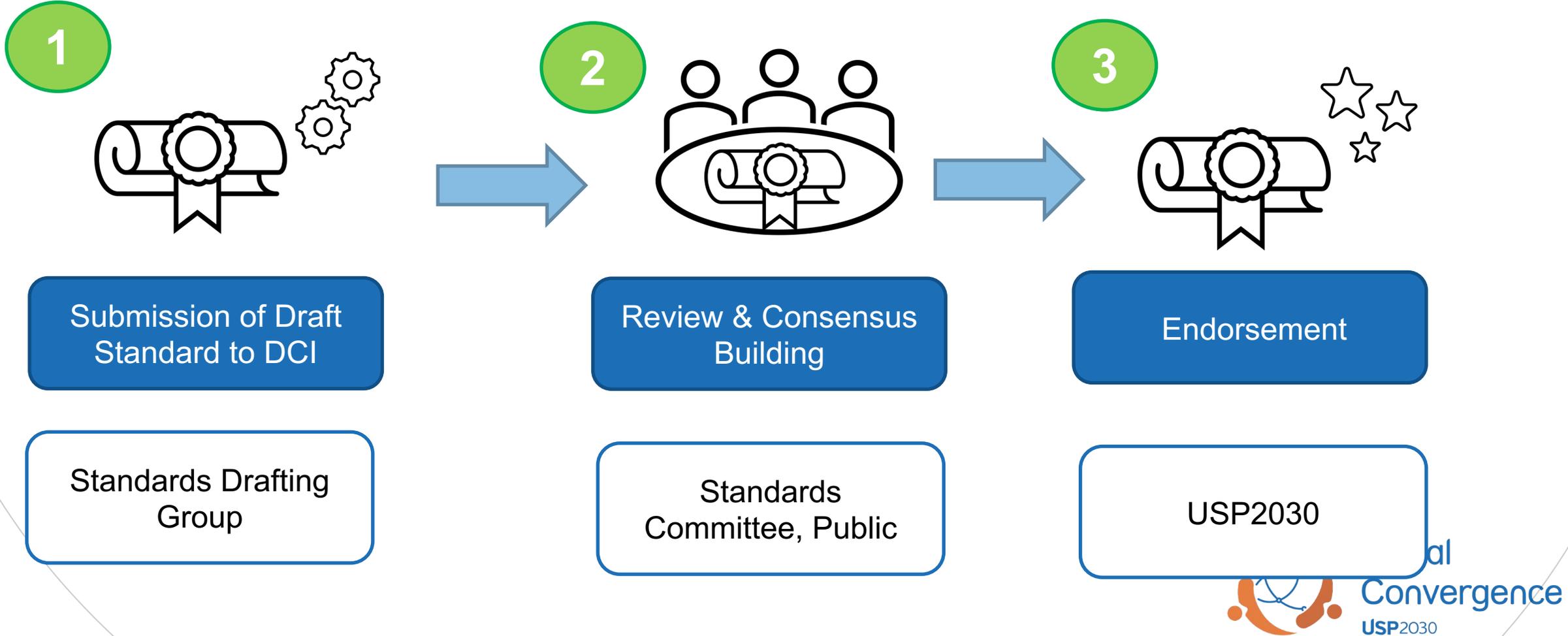
**Standards**

Process, Committees

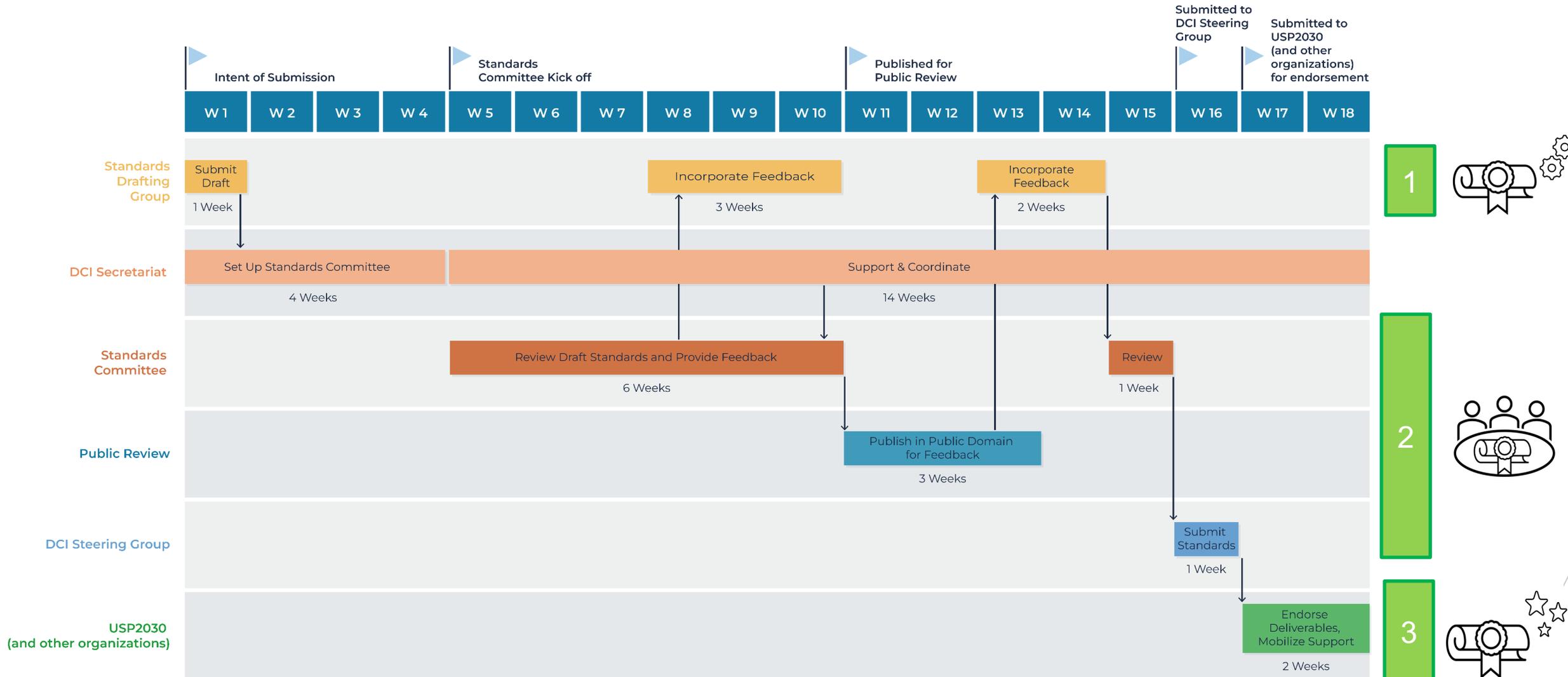


# Standards Process

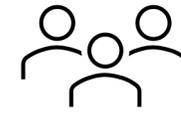
## 3 Main Steps



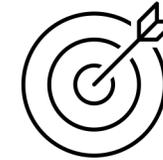
# Timelines



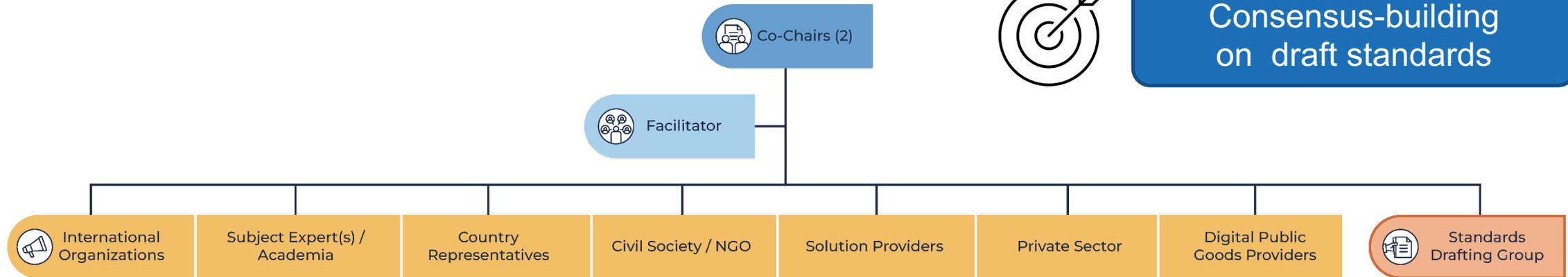
# Standards Committee



Group of experts



Consensus-building on draft standards



## Role



### Co-Chairs

- Preside over the standards committee meetings and lead the review process to of the draft standard
- Submit final draft to the DCI steering group



### Facilitator

- Coordinate and facilitate meetings
- Manage documentation of feedback and action items from meetings



### Standards Committee Members

- Review submitted standards and provide feedback
- Invite experts as coopted members / guests to the committee meetings.
- Work with Standards drafting group



### Standards Drafting Group

- Prepare draft standards for review and endorsement
- Participate in meetings and incorporate feedback



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# CRVS and SP-MIS Interoperability Standards Committee (Kicked off: June 2023)

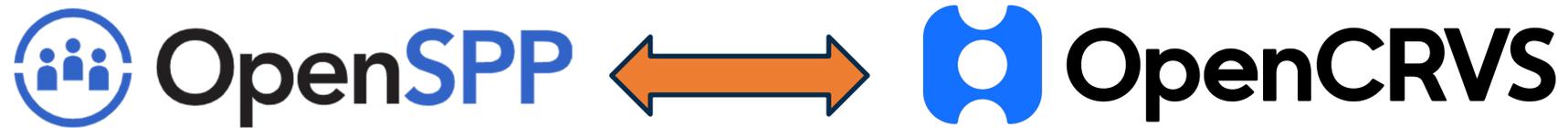
17 organizations, 18 members

## Standards Committee for the Interoperability of CRVS and Social Protection Information Systems

### Standards Committee for the Interoperability of CRVS and Social Protection Information Systems

Co-Chairs		Facilitators				
 UNICEF	 Chile	 GIZ	 GIZ			
 Rwanda	 CDPI	 CORE MIS	 GovStack	 OpenCRVS	 OpenG2P	 openIMIS
 OpenSPP	 Vital Strategies	 Independent Expert	 Forsingdal World Bank	 WCC	 Nepal	 eGov Foundation

# Implementation of standards by 2 DPGs (openSPP, openCRVS) Aug - Nov 2023



Interoperability Demo showcased on November 29th 2023

# USP2030

**Standards Endorsed: Jan 26 2024**

# IBR and SP-MIS and SR and SP-MIS Standards Committee (Kicked off: Jan 2024)

21 Organizations, 27 members

**Standards Committee**  
for the Interoperability of the **Social Registry** with the **SP-MIS** and the **Integrated Beneficiary Registry** with the **SP-MIS**

Member Organizations:

- abyrint.
- Brazil
- G2P Connect
- CGA TECHNOLOGIES
- Chile
- DEVELOPMENT PATHWAYS
- egov. FOUNDATION
- giz
- GovStack
- ILO
- Independent Experts
- India
- Kenya
- Nigeria
- OpenG2P
- openIMIS
- OpenSPP
- Pakistan
- THE WORLD BANK
- Zambia

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**Standards Committee for the Interoperability of Integrated Beneficiary Registry with SP-MIS and Social Registry with SP-MIS**

**Co-Chairs**

- Ahmet Faik Ortakaya (World Bank)
- Dr. Manoj Rajan (Independent Expert)

**Facilitators**

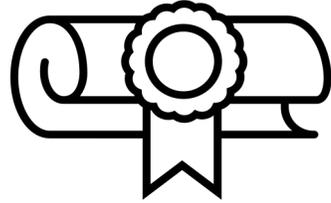
- Anita Mittal (GIZ)
- Lena Blind (GIZ)

**Members:**

- Beatriz Garrido (Brazil - Dataprev)
- Bethsabé Souris (CGA Technologies)
- Charlie Goldsmith (Abyrint AS)
- Dr. Srivoyee H M (India)
- Felicitus Bimazyande (GIZ - Rwanda)
- Glennis Tzimas (Independent Expert)
- Jeremi Joslin (OpenSPP)
- Kabir Muhammad Abdulkadir (Nigeria)
- Khalid Ahmed Ali (Mohyaldeen - World Bank)
- Lewis Shaka Kende (CGA MIS powered by openIMIS)
- Lubasi Musambo (Zambia)
- Luis Frota (ILO)
- Manish Srivastava (eGov Foundation)
- Mehtab Sumar (Independent Expert)
- Naveed Akbar (Pakistan)
- Puneet Joshi (openG2P)
- Richard Chirchir (Development Pathways)
- Stefanie Bitengo (Kenya)
- Steve Conrad (GovStack)
- Thomas Gabrielle (WFP)
- Uwe Wahner (CGA MIS powered by openIMIS)
- Verónica Achá Álvarez (Chile)
- Vijay Vuglani (CDP/G2P Connect)

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# DCI Standards



3 Main Parts

Data Standards

API Standards

Process (Workflows)

Distinction: Common and Interface-Specific Spaces

Common Space  
(Valid for all interfaces)

Social Registry Space

Integrated Beneficiary  
Space

CRVS Space



Standard Documentation on

Broader audience



**GitBook**

<https://standards.spdci.org>

More technical



**GitHub**

<https://github.com/spdci>



**Redocly**

API specs: rendered by  
[redocly on DCI GitHub](#)



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**Thank you**

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