Regional Cooperation – National Sovereignty
WCC Overview and Offerings

- Search and Match software solutions
- Focus on Identity and Employment markets
  - Border Management, Civil Identity, Justice & Public Safety
- In business since 1996
- Based in the Netherlands
- Deployments are organization-wide or nation-wide
Experienced in Interoperable Systems

- EU-LISA Border Management
  - Fraud Prevention
  - Connects all member states
  - Extensible to additional applications

- UNHCR Global Refugee Program
  - Refugee Management
  - Local non-Connect Environment
  - Consolidate to Central System

- Mexico Guatemala Border – Integrated Border Management
  - Multiple Application
  - Migrant Worker
  - Global Entry
  - Detention Center

- Finland Police
  - Connecting 200 disparate databases
  - Universal Search
  - Migration Platform
A Technical Perspective
Regional Cooperation with National Sovereignty
Regional Interoperability
Walls – Gates - Bridges

Data Standards

Standard Interfaces & Transaction Management

Communication Protocols

Regional Cooperation Starts with Robust, Interoperable National Systems – Each protecting, controlling, and sharing information
Why is Interoperability Important?

Common Interfaces and Communication Protocols reduce the complexity and cost by magnitudes
Let’s Play Football

Without Standardization – Difficult to cooperate
## Examples of Interoperability
### From Less to More cooperation

<table>
<thead>
<tr>
<th>ICAO Passport</th>
<th>NATO Watchlisting</th>
<th>AAMVA Commercial Driver’s License</th>
<th>India UID Aadhaar</th>
<th>EU-LISA Border Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interoperable Token</td>
<td>Standard Data Formats</td>
<td>Standard Data Formats</td>
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<td>Standard Data Formats</td>
</tr>
<tr>
<td>ICAO MRZ</td>
<td>Published Interfaces</td>
<td>Defined Interfaces</td>
<td>Published Interfaces</td>
<td>Defined Interfaces</td>
</tr>
<tr>
<td>Drives Verification Only</td>
<td>Watchlisting and Vetting</td>
<td>Fraud Check</td>
<td>National Transactional Identity Verification</td>
<td>Multi-application for Border Management</td>
</tr>
<tr>
<td>No communication between partners</td>
<td>Partners can send information and retrieve information</td>
<td>Partners can send information and retrieve information</td>
<td>Registered Agents can enroll Verification from Source database</td>
<td>All parties are Active Participants</td>
</tr>
<tr>
<td>Limited to MRZ reader and verification applications</td>
<td>Can add functionality as need arise</td>
<td>Limited to Commercial Driver’s License</td>
<td>Broadly available for Commercial and Government Applications</td>
<td>Systematic addition of capability</td>
</tr>
</tbody>
</table>

*WCC Confidential*
Foundational CVRS Platform – Cooperation within a Nation

From CVRS Digitization Guidebook
African Programme for Accelerated Improvement of Civil Registration and Vital Statistics
National Foundational CVRS Platform - Technical Representation

Data Standards

Standard Interfaces and Communication Protocols
Role of the Transaction Manager:

- **GateKeeper**: Rules Based to accept queries that are allowed and provide results which are authorized.

- **Intelligent Query Manager**: Assess data in Query and parse to appropriate agency sources.

- **Load Balancing and Efficient Scaling**
Key Component – Identity Platform

The Identity Platform must be able to handle the full array of Identity Operations and Identity Data
Real World Example – Interoperability Enables Sustainability and PPP models

Initial Deployment Based on ROI

Second Deployment enabled efficient reaction by government in times of emergency

Commercial Application enable Transaction Sharing Model – Example KYC requirement
Summary

- **International Interoperability** requires a system that uses a
- **Transaction Manager** using
- **Standard Interfaces** and defined **Communication Protocols**
- With an **Identity Platform** that can handle identity functions on
- All **Identity Data** that is stored with appropriate international and regional standards
Tarvinder S. Sembhi
VP Identity Market

tsembhi@wcc-group.com
+1 856 261 8639

Questions?

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