ICT FOR CIVIL REGISTRATION — SOUTH ASIA

SANJAY DHARWADKER — CONSULTANT

Second Meeting of The Civil Registrars of South Asia (CR8)
Organised by the Department of National Registration (DNR) Maldives
26-28 November 2019, Malé
To understand God’s thoughts one must study statistics … the measure of his purpose.
- Florence Nightingale (1820 – 1910)
  Nurse & statistician

**SOUTH ASIA**

3.5% of the world’s land area (5.2 mio sq km)
3.0% of the world’s GDP (USD 3.5 trillion)
24% of the world’s population (1.9 billion)

29% of the world’s births (38 mio/year)
24% of the world’s deaths (13 mio/year)

Derived from various sources, such as https://ourworldindata.org/births-and-deaths
THE PROBLEM

How do we get

From here → To here
OVERVIEW

Civil Registration & Identification + e-Services

Vital Events
- Live birth
- Death
- Fetal death

Notification
- Health service
- Parent(s)
- Certifier of vital events
- Authorized agents

Registration & Certification
- Civil Registration
  - CR Agency
    - Compulsory
    - Universal
    - Continuous
    - Confidential
    - Permanent
  - Authorized institutions
- Civil Identification
  - CI Agency
    - NID / e-ID / Biometric ID
      (children & adults)
      - Capture (enrollment)
      - Identification (de-duplication)
      - Authentication (verification)
  - Judicial institutions

Vital Statistics
- Statistics Agency
  - Compilation
  - Processing
  - Validation
  - Dissemination

Additional VS Sources
- Population census
- Health info systems
- Police & Coroner
- MICS and DHS

CR DB

CI DB

Population Register

Primary (foundational) Registers

Link between CR & VS

Health Sector

Vital Statistics

Civil Registration

Civil Identification

Note: This IDM integration schema (template) can be customized to map country specific implementation arrangements and system components in order to visualize current practices and possible improvements clearly.

Get every one in the picture

17-12-19

ICT FOR CIVIL REGISTRATION

Institutional arrangements

Administrative processes

Legislative framework

Technology deployment

Putting the beneficiary in the middle
## CURRENT STATUS - CR & CI

<table>
<thead>
<tr>
<th>AGENCY RESPONSIBLE</th>
<th>ICT USE STATUS</th>
<th>AGENCY RESPONSIBLE</th>
<th>ICT USE STATUS</th>
<th>AGENCY RESPONSIBLE</th>
<th>ICT USE STATUS</th>
<th>PROGRAM NAME</th>
<th>AGE OF ISSUE</th>
<th>ICT USE STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Births &amp; Deaths</strong></td>
<td></td>
<td><strong>Marriage &amp; divorce</strong></td>
<td></td>
<td><strong>ID program</strong></td>
<td></td>
<td>e-tezker</td>
<td>18</td>
<td>Extensive</td>
</tr>
<tr>
<td>Afghanistan Central Civil Aviation Authority (ACCAIA)</td>
<td>Partial</td>
<td>Ministry of Justice</td>
<td>Courts</td>
<td>Afghanistan Central Civil Aviation Authority (ACCAIA)</td>
<td>Partial</td>
<td>NID</td>
<td>18</td>
<td>Extensive</td>
</tr>
<tr>
<td>Office of the Registrar General for Birth &amp; Death Registration</td>
<td>Partial</td>
<td>District Magistrate</td>
<td>Ministry of Law, Justice, Legislative &amp; Parl Affairs, Also Muslim Marriage Registrar</td>
<td>Partial</td>
<td>Bangladesh Election Commission</td>
<td>NID</td>
<td>18</td>
<td>Extensive</td>
</tr>
<tr>
<td>Ministry of Home Affairs</td>
<td>Partial</td>
<td>UIDAI</td>
<td>Ministry of Home Affairs</td>
<td>NIDMC</td>
<td>Aadhaar</td>
<td>CID</td>
<td>15</td>
<td>Extensive</td>
</tr>
<tr>
<td>Ministry of Home Affairs</td>
<td>Partial</td>
<td>Ministry of Home Affairs</td>
<td>Department of National Registration</td>
<td>NID</td>
<td>NID</td>
<td>At birth</td>
<td>Extensive</td>
<td></td>
</tr>
<tr>
<td>Ministry of Federal Affairs &amp; General Administration</td>
<td>Partial</td>
<td>Ministry of Federal Affairs &amp; General Administration, Dept. of Civil Registration</td>
<td>Family courts, also responsible for adoptions.</td>
<td>Ministry of Home Affairs</td>
<td>Partial</td>
<td>CNIC</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Ministry of Federal Affairs &amp; General Administration, City Council (Island &amp; Atoll)</td>
<td>Partial</td>
<td>Partial</td>
<td>Partial</td>
<td>Partial</td>
<td>Partial</td>
<td>NID</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Ministry of Home Affairs, Department of Registrar General</td>
<td>Partial</td>
<td>Ministry of Home Affairs, Department of Registrar General</td>
<td>Partial</td>
<td>Ministry of Home Affairs, Department of Registrar General</td>
<td>Partial</td>
<td>NID</td>
<td>16</td>
<td>Extensive</td>
</tr>
</tbody>
</table>

**Source:** [http://getinthepicture.org/event/meeting-civil-registrars-south-asia](http://getinthepicture.org/event/meeting-civil-registrars-south-asia)

**ICT IN CIVIL REGISTRATION - MEETING OF THE CIVIL REGISTRARS OF SOUTH ASIA 26-28 NOV 2019 MALDIVES — UNICEF AND ESCAP**
## CURRENT STATUS-LINKAGES

<table>
<thead>
<tr>
<th>Linkage</th>
<th>Afghanistan</th>
<th>Bangladesh</th>
<th>Bhutan</th>
<th>India</th>
<th>Nepal</th>
<th>Maldives</th>
<th>Pakistan</th>
<th>Sri Lanka</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health System in place</td>
<td></td>
<td>Partial</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UIN Generation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Partial</td>
<td></td>
<td>Partial</td>
</tr>
<tr>
<td>CR &amp; CI Linkage</td>
<td></td>
<td>Optional</td>
<td></td>
<td></td>
<td></td>
<td>Partial</td>
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<td></td>
</tr>
<tr>
<td>Health System &amp; CR Linkage</td>
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<td>Mainly offline</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Population Register (NPR)</td>
<td>In place</td>
<td>In place</td>
<td>In place</td>
<td>In place</td>
<td>In place</td>
<td>In place</td>
<td>In place</td>
<td>In place</td>
</tr>
</tbody>
</table>

*To be updated.*
CURRENT STATUS-SYSTEM CHARACTERISTICS

<table>
<thead>
<tr>
<th>Software</th>
<th>Source</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>OpenCRVS</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population (million)</td>
</tr>
<tr>
<td>Birth Registration (0-5) %</td>
</tr>
</tbody>
</table>

Source for population & birth registration data: [http://getinthepicture.org/event/meeting-civil-registrars-south-asia](http://getinthepicture.org/event/meeting-civil-registrars-south-asia)
ISSUES WITH ICT FOR CR

Open Source
Open Standards
In-house
Consultants
Customised
Off-the-shelf
Interoperable
Proprietary

Civil Registration
Civil Identification
Legal Identity
Identification

Offline
Online
ALL ARE INTERCONNECTED

Legislative framework

Mapping administrative processes to legal framework

Administrative processes

ICT to reflect the administrative processes

Technology deployment

Institutional arrangements
Example of Birth registration

**Notification**

*Mother*

*Father*

*Inform*

*Working*

**Declaration**

*Friend of family*

*At home*

**Registration**

*Village official*

*Verify*

*Registar*

**Birth Certificate**

*Declare*

*Unassisted*

*Health-worker*

*Register*
DISCOVER THE RIGHT BALANCE

SERVICE PROVIDER
• Quick
• Efficient
• Accurate

PEOPLE
• Easy access
• Hassle-free
• Reliable

True test of a successful system is its benefit to the people
SUMMARY OF ISSUES

LONG TERM VISION OF CRVS DIGITIZATION
ICT FOR INCLUSION OF THE MARGINALIZED

MAIN CHANGES IN THE LAST 10 YEARS
ICT USE LINKED TO NATIONAL ID

PARTS OF CR IS WHICH ICT IS USED
CONSULTATION & PROCUREMENT

PROCESSES DIGITALIZED
ICT AND LEGISLATIVE CHANGES

DIGITIZATION OF OLD RECORDS
DATA SHARING, PRIVACY, SECURITY

NATIONAL CRVS COORDINATION
ROLE OF DEVELOPMENT PARTNERS

Discussed during last CR8 meeting … the relationship between civil registration, civil identification, vital statistics and health information systems; and the use of ICT in civil registration …
THANKS

Kendra Gregson
kgregson@unicef.org

Tanja Sejersen
segersen@un.org

Sanjay Dharwadker
sanjaydharwadker@yahoo.co.uk