

Governance out of a Box : – Mobile Birth Registration

Crisis Management Initiative

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**CRISIS
MANAGEMENT
INITIATIVE**
Building Bridges for Sustainable Security

Crisis Management Initiative

- Non-profit and non-governmental, founded in 2000 by President Martti Ahtisaari
- Offices in Helsinki and Brussels and staff working in Addis Ababa, Amman and Monrovia
- Funded by governments, foundations and the private sector
- CMI works to strengthen the capacity of the international community in comprehensive crisis management and conflict resolution.
- Mediation and Peace consolidation: post-war statebuilding

Governance out of a Box - Background

- From *conflict* through *peace agreement* to a *sustainable peace*
- Challenge how to create functioning and sustainable government structures and institutions – a State
- Legitimacy of state: state – society relationship
- Basic service delivery:
 - Health services
 - Education
 - Water & Sanitation
 - etc.

Governance out of a Box - Concept

- Goal: Inclusive public and state administration able to provide basic services and basis for long term development
- Aim: Offer national governments recovering from conflict and the international community:
 - Examples on available and tested solutions
 - Analytical tools to assess needs and evaluate, acquire ICT solutions with which to support the re-establishment of key governance functions and basic services

Governance out of a Box - Concept

- Tentative criteria for tools:
 - Based on quickly deployable communications infrastructure and software applications
 - Affordable
 - Allow flexibility in scaling and linking up with broader systems
 - Reliable in less than optimal infrastructure
- Versatile?
- Repeatability?

Mobile Birth Registration –Liberia Context

Liberia:

- Independent since 1847
- 1st civil war 1989 – 1997 and 2nd 2000 – 2003, Peace Agreement 2003
- Elections 2005, President Ellen Johnson Sirleaf
- UN Mission in Liberia (UNMIL)
- Population est. 3,7 million (birth rate 3,8 %)

- No landline network infrastructure, but mobile networks cover almost whole country, 4 operators (GPRS/EDGE)
- No constant "state power", generators commonly used
- Bad roads (rainy season)

Mobile Birth Registration –Liberia Context

Present birth registration:

- Only 4% of all children in Liberia under the age of 5 yrs has a birth certificate.
- Registration possible only in Monrovia

Reinstate and decentralization of the birth registration in Liberia

- Goal: 90% of all children under the age of 5 registered
- Registration at village level
- Birth certificates at county-level
- BUT: Manual process in paper forms

Mobile Birth Registration – Pilot

- Could we use mobile phones for birth registration? – the Nokia Data Gathering (NDG) solution

Complementing the manual process of birth registration

- More efficient process from governance perspective
 - Faster service delivery (birth certificates)
 - Less prone to human errors (misspellings and misinterpretations)
 - Better dissemination and access to data
- Users: District Health Officers, County Registrars and administrators at the IT department of the Ministry of Health

Mobile Birth Registration– NDG Solution

Smartphone application receives surveys, is used to input survey results, and sends results to the designated central server.

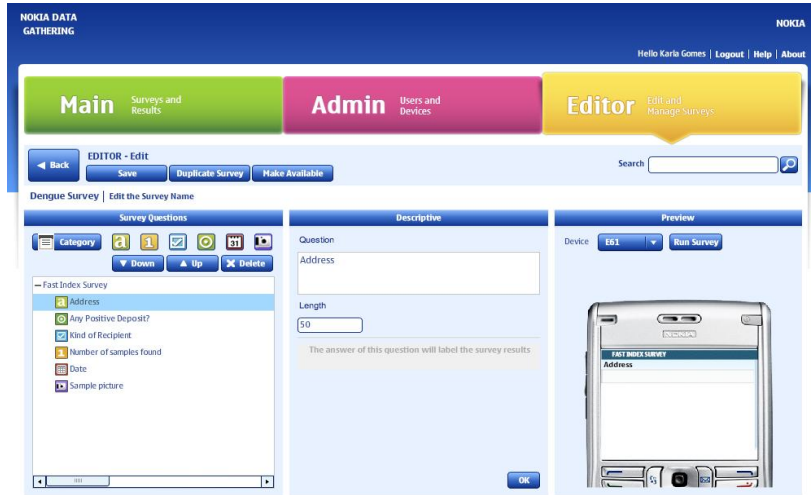



Mobile Birth Registration– NDG Solution

Common Use Case Steps:



Mobile Birth Registration– NDG Solution




 REPUBLIC OF LIBERIA
 MINISTRY OF HEALTH AND SOCIAL WELFARE
 BIRTH REGISTRATION APPLICATION FORM FORM NO. _____

| CHILD'S INFORMATION | |
|--|--|
| NAME OF CHILD: _____ | (GIVEN NAME OR NAMES) (SURNAME) |
| SEX: _____ | DATE OF BIRTH: ____/____/____ TIME: _____ HOUR |
| PLACE OF BIRTH: _____ | HEALTH FACILITY/CITY/TOWN/COUNTY |
| PARENTS' INFORMATION | |
| NAME OF FATHER: _____ | (GIVEN NAME OR NAMES) (SURNAME) |
| NATIONALITY: _____ | OCCUPATION: _____ |
| ADDRESS OF FATHER: _____ | |
| DATE OF BIRTH OF FATHER: ____/____/____ | DD/MM/YY |
| NAME OF MOTHER: _____ | (GIVEN NAME OR NAMES) (SURNAME) |
| NATIONALITY: _____ | OCCUPATION: _____ |
| ADDRESS OF MOTHER: _____ | |
| DATE OF BIRTH OF MOTHER: ____/____/____ | DD/MM/YY |
| NAME OF BIRTH ATTENDANT: _____ | |
| Qualification: CM () PA () Nurse () Medical Doctor () TTM/TM () Others () | |
| I HEREBY CERTIFY THAT THE ABOVE DETAILS AND EVIDENCE ARE TRUE AND CORRECT. | |
| NAME & SIGNATURE OF APPLICANT: _____ | |
| DATE: _____ | |
| Certified Midwife (CM) Physician Assistant (PA) Trained Traditional Midwife (TTM/TM) | |

Mobile Birth Registration– NDG Solution

The screenshot displays the Nokia Data Gathering (NDG) web application interface. At the top, there is a header with 'NOKIA DATA GATHERING' on the left and 'NOKIA' on the right. Below the header, there are three main navigation tabs: 'Main' (Surveys and Results), 'Admin' (Users and Devices), and 'Editor' (Edit and Manage surveys). The 'Main' tab is currently selected. Below the navigation, there is a search bar and a 'LIST OF SURVEYS' section. The survey list is presented in a table with columns for Survey ID, Survey Name, Date, Publisher, and Results. The table contains 9 rows of survey data.

| SURVEY ID | SURVEY NAME | DATE | PUBLISHER | RESULTS |
|-------------------------------------|----------------|------------|-----------|---------|
| <input type="checkbox"/> 1255613869 | Denque Survey | 12/01/2010 | kgomes | 4 |
| <input type="checkbox"/> 1262628504 | Demo Survey | | | 0 |
| <input type="checkbox"/> 1263328374 | Fotinas | 12/01/2010 | kgomes | 20 |
| <input type="checkbox"/> 1263927392 | Photo Test | 19/01/2010 | kgomes | 0 |
| <input type="checkbox"/> 1263927863 | Test 1 | 19/01/2010 | kgomes | 0 |
| <input type="checkbox"/> 1263928221 | Bug 482 | 19/01/2010 | kgomes | 0 |
| <input type="checkbox"/> 1263935245 | Test 3 | 19/01/2010 | kgomes | 0 |
| <input type="checkbox"/> 1263935392 | Test 4 | 19/01/2010 | kgomes | 1 |
| <input type="checkbox"/> 1264111069 | SkipLogic Test | 21/01/2010 | kgomes | 0 |

Governance out of a Box (GooB) – An Innovative Approach to State Building

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