



European Commission United Nations Development Programme International IDEA

***Joint Training on
Effective Electoral Assistance***

DAY 3

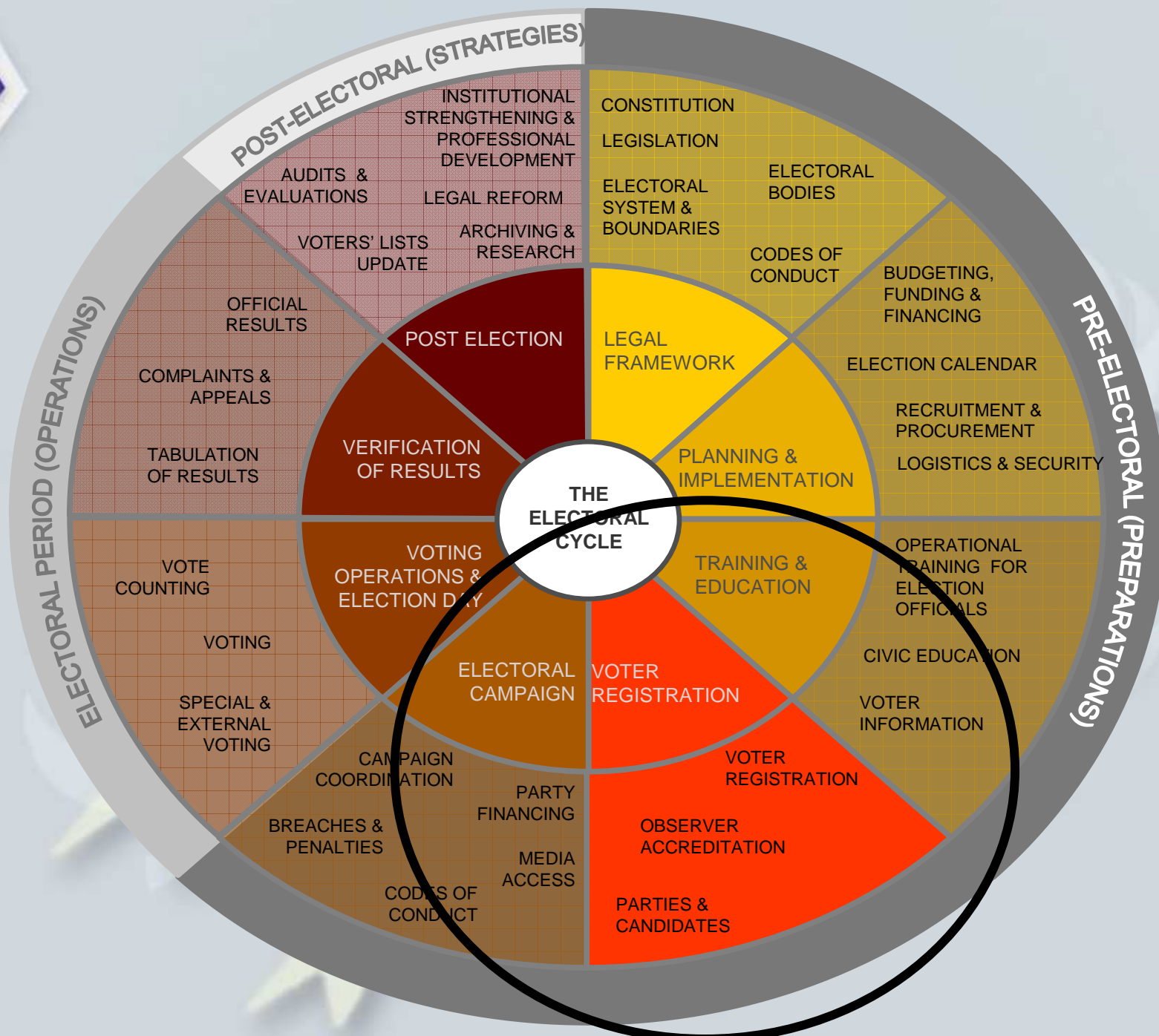
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Voter Registration Methodologies

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Joint Training on
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Voter Registration

- Always the most controversial aspect of an electoral process
- An accurate and accepted voter registry is pivotal to a credible electoral process
- For most countries it is the largest, most complex, costly and time consuming operational element of the electoral process
- Crucial display and test of the EMBs operational capacity and credibility



Voter Registration

Typical voter registration operation:

- Constitution -> election law -> regulation / procedure
- operational plan -> procurement and training
- Field operation collecting data on eligible voters
- Data processing
- Production of preliminary voter lists and their display
- Claims and objections period with the consequent process of entering deletions and additions
- Production of final voters lists and the at times related production of voter cards
- Distribution of voter cards and the distribution of voters lists to polling stations
- E-day: final voters list controls who can vote where



VR Systems

Three conceptual systems:

1. Stand-alone “ad hoc” / periodic voter registration (active)
2. Stand-alone continuous / permanent voter registration (active)
3. voter register based on the civil register (passive)



VR Methodologies

Three levels of technological methodologies:

- **Low-Tech**
 - Data on paper - locally based - Timor 1996, OCV Afghanistan 2004
 - **Medium-Tech**
 - Paper into database - centrally based - West-Bank/Gaza 2004
 - **High-Tech**
 - Direct to computer - centrally based - DRC 2006
- > Endless variations of VR methodology



Low - Tech Approaches





Mid Tech Approach

**Optical Mark
Recognition (OMR)
First used in large
scale
Electoral Assistance
Mission
Bosnia and
Herzegovina 1997**

OSCE BOSNA I HERCEGOVINA
PRIVREMENA IZBORNA KOMISIJA (PIK)
PRIVREMENO IZBORNO POVJERENSTVO (PIP)
OBRAZAC ZA REGISTRACIJU BIRAČA IZVAN ZEMLJE

Ime **Prezime**

Jedinstveni matični broj **Datum/mjesečnik rođenja** **Dobna grupa (1991. god. i stariji)**

Opisno-glasačka kartica

Kategorija stranimcima **Brojka ispisa** **Centar za registraciju**

UPUTE
Označite ovalo
NEPOKRETAJTE
UPOTREBLJIVATI
CRVENU TINKU

OSCE **BOSNA I HERCEGOVINA** **PIK** **0001403999**

Mid Tech Approach



Pencil



Official

Form No. 1

JAMHURIA YA MUUNGANO WA TANZANIA
TUME YA TAIFA YA UCHAGUZI

Uandikishaji wa Rais, Wabunge na Madiwani
Kwa Uchaguzi wa Rais, Wabunge na Madiwani
Kwa Uchaguzi wa Rais, Wabunge na Madiwani
Kwa Uchaguzi wa Rais, Wabunge na Madiwani

Form No. 1

JAMHURIA YA MUUNGANO WA TANZANIA
TUME YA TAIFA YA UCHAGUZI

Uandikishaji wa Rais, Wabunge na Madiwani
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Kwa Uchaguzi wa Rais, Wabunge na Madiwani
Kwa Uchaguzi wa Rais, Wabunge na Madiwani

Registration Forms



Photograph



Photo die cutter



Voter's card



Photo-fix



Fingerprint pad

Fingerprint



Completed OMR Forms

Form No. 1

JAMHURIA YA MUUNGANO WA TANZANIA
TUME YA TAIFA YA UCHAGUZI

Uandikishaji wa Rais, Wabunge na Madiwani
Kwa Uchaguzi wa Rais, Wabunge na Madiwani
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Kwa Uchaguzi wa Rais, Wabunge na Madiwani

Batch Header Form (one per day)

Form No. 2

JAMHURIA YA MUUNGANO WA TANZANIA
TUME YA TAIFA YA UCHAGUZI

MAJUMUIISHO YA UANDIKISHAJI KWA SIKU
(BATCH HEADER)

MAJUMUIISHO YA UANDIKISHAJI KWA SIKU
(BATCH HEADER)

MAJUMUIISHO YA UANDIKISHAJI KWA SIKU
(BATCH HEADER)

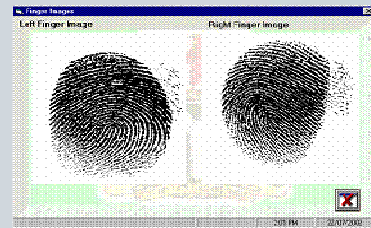
Transport to data centre



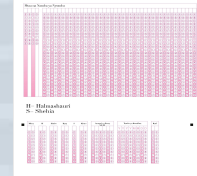
Envelopes



Mid Tech Approach – Tanzania



Forms



Scan Module

Tiff images

OMR Module

HTML Pages



Register Publishing Module



Search Module & Quality Check

File Store

Exception Handling Module

Reporting Module

System Production Management Module

System Administration Module

The Major System for PNVR Preparation that comprised by Different modules

Hi-Tech Approach





The Future ?

Digital Camera

The digital camera is embedded onto the unit's Official Panel and may be used to capture a voter's digital photograph during registration.

Local Capture of Information

The application contained can capture data manually inserted in the Vanguard. This data can be, voters information, as well as Voting results.

Transmission of Data

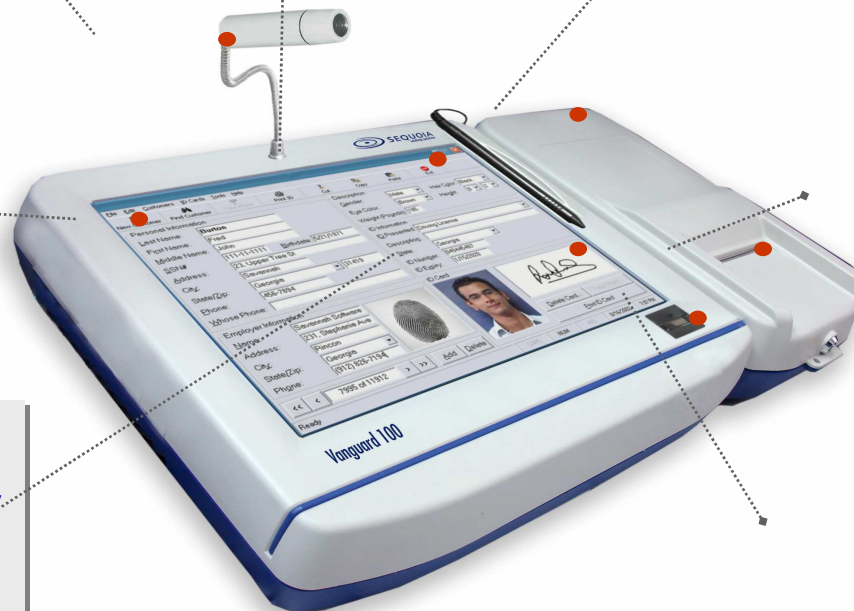
The kit is capable of transmitting all data and results from distributed locations to a central site.

Color Touch-screen

A touch-sensitive, full-color LCD screen displays easy-to-use controls for PenCom officials to use to incorporate or edit data

Signature Pad

The signature capture device may be used to capture a user's signature in electronic format during registration or authentication



Printer

The attached printer can be used to print a voter registration card

Fingerprint Reader

The main fingerprint capture device may be used to capture a fingerprint in digital form during registration or authentication.



TA to Voter Registration

- Increasing demand for high-tech VR systems
- Feasibility studies and design, global as well as local
- Pilot projects
- Procurement of new technology
- Operational planning & procedures
- Training and voter education
- Implementation



Type and Timing of TA

- ☐ **Support to EMB to design and introduce a new model or system of voter registration**
- ☐ **To be done at the end of a electoral cycle**
- ☐ **In any event not later than 18 months before elections.**



Type and Timing of TA

- ☐ **Support to EMB to conduct a specific voter registration process which requires the introduction of a new technology or system upgrades**
- ☐ **Assistance to provided between two years and one year before the elections**
- ☐ **In any case, not later than one year**



Type and Timing of TA

- ☐ **Simple procurement of voter registration material**
- ☐ **Between one year and six months before the elections**
- ☐ **technical support to groups observing voter registration (between 1 year and six months before elections).**



Sustainability Issues

- ☐ Technology might reduce costs and improve sustainability
- ☐ It opens up risks for donors and assistance providers to become hostages of the vendors
- ☐ Cost-effectiveness depends on the re-usability of the hardware for other elections administrative purposes
- ☐ Technological changes are not accompanied by adequate training and voter education efforts



The Future of Voter Registration

- ☐ Western countries have moved to computerized and permanent voter registration systems
- ☐ Increasing demand from EU partner countries to use EC Development Funds for digital voter registration
- ☐ Lack of adequate feasibility studies. Possible synergies with civil registration are not explored before planning
- ☐ Open debate between models: independent voter registration versus the civil registration based voters register