

EC
UNDP
INTERNATIONAL IDEA
CIDA, EISA



Joint Training on Effective Electoral Assistance

23 – 28 June 2008

Technological Innovation in the Electoral Process

Voter Registration: Case Study - Zambia

By

Dylan Kasonde

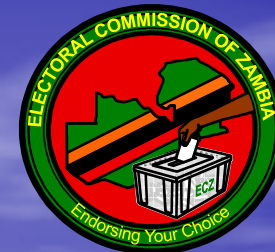
ELECTORAL COMMISSION OF ZAMBIA

Zambia



- Population - 12 million
- Gained Independence – 1964
- 9 Provinces, 150 Constituencies, 1422 Wards, 6456 Polling Districts
- 3rd Republic (1991)
- Elections conducted under the Office of the Vice President
- Independent EMB (ECZ) established – 1996
- ECZ conducted three Elections since establishment – 1996, 2001, and 2006.
- Electoral System - FPTP





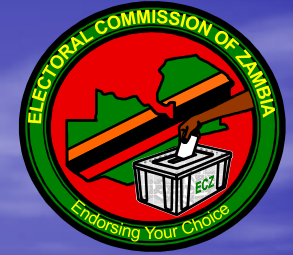
Voter Registration - Background

- 1964 – 2001: Periodic Voters Register
- 2001: Law enacted for ECZ to maintain a Permanent Voters Register
- 2004: New Commission appointed



Voter Registration - Background

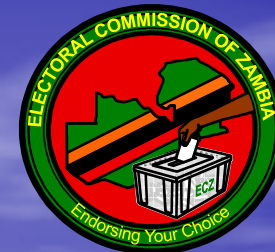
- Consultations with stakeholders
- Key features of proposed new solution:
 - Immediate issuance of voter card.
 - Both the Voters' Cards and the Register to bear voters' portraits.
 - Strict registration duplicate checks (Biometric).
- International Public Tender



Voter Registration Background

Legal Requirements for Applicants

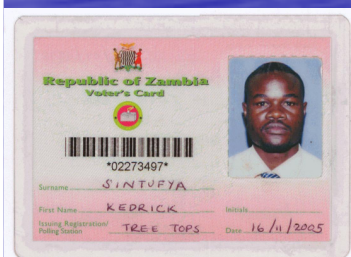
- Citizen of Zambia
- National Registration Card (NRC)
- Attained the age of 18 years
- Register in constituency of choice



The Solution

- Field Voter Registration exercise: 31st Oct – 31st Dec 2005
- Registration Conducted – at 6, 456 centers (same time)
- 4.1m Applications – (Projected 5.5m)
- Based on Optical Mark Recognition (OMR) technology
- Field Registration kit:
 - Voter Reg. Application forms – 3 part form (Part A, OMR, Voter Card)
 - Polaroid Camera & Film
 - Accessories – Lamination Pouches, Photo Cutters, Photo fix, Pencils, Erasers, Pens, Ink pads
- Automated Fingerprint Identification System (AFIS) – for Duplicate checks

VOTER REGISTRATION SIMULATION VIDEO



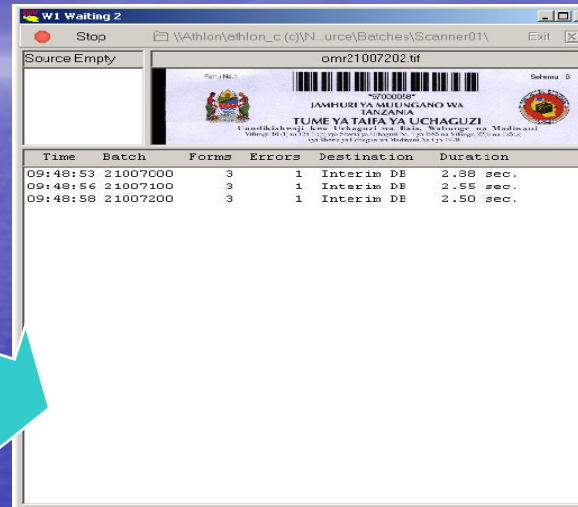
The Solution — DATA CAPTURE & PROCESSING

SCANNING



- Data & Images extracted
- Database
- Images – File Sys

OMR PROCESSING



W1 Waiting 2
Stop
\\Athlon\athlon_c (c)\N...urce\Batches\Scanner01\ Exit

Source Empty

omr21007202.tif

Form No. 1

JAMHURIA YA MUUNGANO WA TANZANIA
TUME YA TAIFA YA UCHAGUZI

Time	Batch	Forms	Errors	Destination	Duration
09:48:53	21007000	3	1	Interim DE	2.88 sec.
09:48:56	21007100	3	1	Interim DE	2.55 sec.
09:48:58	21007200	3	1	Interim DE	2.50 sec.

EXCEPTION & DUPLICATE HANDLING



PROCESSING & STORAGE










The Solution — THE REGISTER



- 3.9m Electors on the Final Voters Register

Registration Centre: 00308007 KAYEZI

00491438 Adult Female  0104004/67/1 ADILINA TEMBO	00491419 04/01/1982 Male  0115354/58/1 ALICK MW AZA	00491410 Adult Female  0457857/52/1 ALINESS PHIRI	00491440 Adult Female  0367299/52/1 BETINA BANDA	00491429 07/06/1975 Female  0103411/58/1 BRIDGET ZULU	00491426 Adult Male  0192834/11/1 DAMA MWALE
00491407 Adult Female  0423840/52/1 DOLASE ZIMBA	00491431 27/04/1970 Female  0388573/52/1 DOREEN SAKALA	00491422 02/07/1985 Female  0110302/58/1 DORIKA ZIMBA	00491406 Adult Male  0200340/52/1 ELIAS ZULU	00491442 Adult Female  0307292/52/1 ELIZA PHIRI	00491425 01/01/1970 Female  0369736/52/1 FELE MWANZA
00491404 10/06/1978 Female  0461595/52/1 GREDITH DAKA	00491433 14/09/1979 Female  0489885/52/1 GREDYS BANDA	00491432 Adult Female  0174569/76/1 IRED ZULU	00491448 Adult Male  0366655/52/1 JOHN MAKUKULA	00491427 13/07/1988 Female  0100244/58/1 JOYCE LUNGU	00491417 Adult Male  0423833/52/1 KAWEZYE PHIRI
00491430 08/08/1964 Female  0240245/61/1 LINESS BWALYA	00491414 11/09/1979 Female  0463818/52/1 LISTA SAKALA	00491420 Adult Female  0366884/52/1 LIVINESS NKHOMA	00491436 14/06/1980 Female  0110225/53/1 LUTE NKHOMA	00491401 02/03/1943 Female  0101468/52/1 MADILESI NKHOMA	00491405 07/08/1969 Male  0409640/52/1 MAPITANO MAWERE
00491441 24/08/1954 Female 	00491428 Adult Female 	00491415 10/10/1936 Female 	00491447 Adult Male 	00491449 15/03/1976 Male 	00491423 07/01/1985 Female 



The Solution

- 4.1m Applications
- 3.9m Registered Voters
- 0.2m Rejected Applications
- Cost of Voter Reg/ App \approx USD \$5
- Increased stakeholder confidence in Voters Roll and electoral process

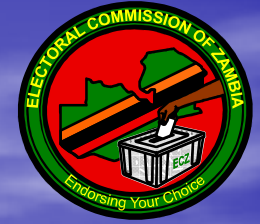
POSITIVES

- Best fit at low cost. Registration in 6456 PDs countrywide
- Cost of Registration/voter \approx USD \$5/Applicant
- Ease of operation – Registration Kits
- Easy Accessibility of Registration Centre - Go out into the communities
- Increased number of voters because voter card was issued upon registration
- Reduction in number of visits to the registration centre



POSITIVES

- Public Acceptance
- Increased Accessibility of the Voters Register
- Wider Coverage
- Quicker to compile
- Better planning for logistics of election materials



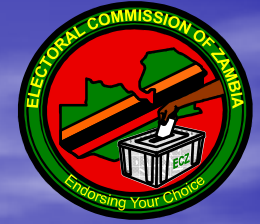
The Challenges

- Register maintenance – Amendments/Updates
- Quality of Civil Register
- Technology – Polaroid Cameras discontinued
- Issuance of Card on Registration – Provisional card
- Time constraints – Voter Reg, Training



Lessons Learnt

- Implementation of ICTs in the electoral process should have a strategic focus on the electoral cycle
- Voter registration should be conducted well before the elections
- Technical requirements specifications are cardinal when implementing/sourcing voter registration solutions
- EMB Data is a subset of the Civil Register. Establish a relationship DNR. Computerise DNR. Computerised DNR system would improve the management of the voters register
- Public Awareness – Massive campaign before and during Voter Registration



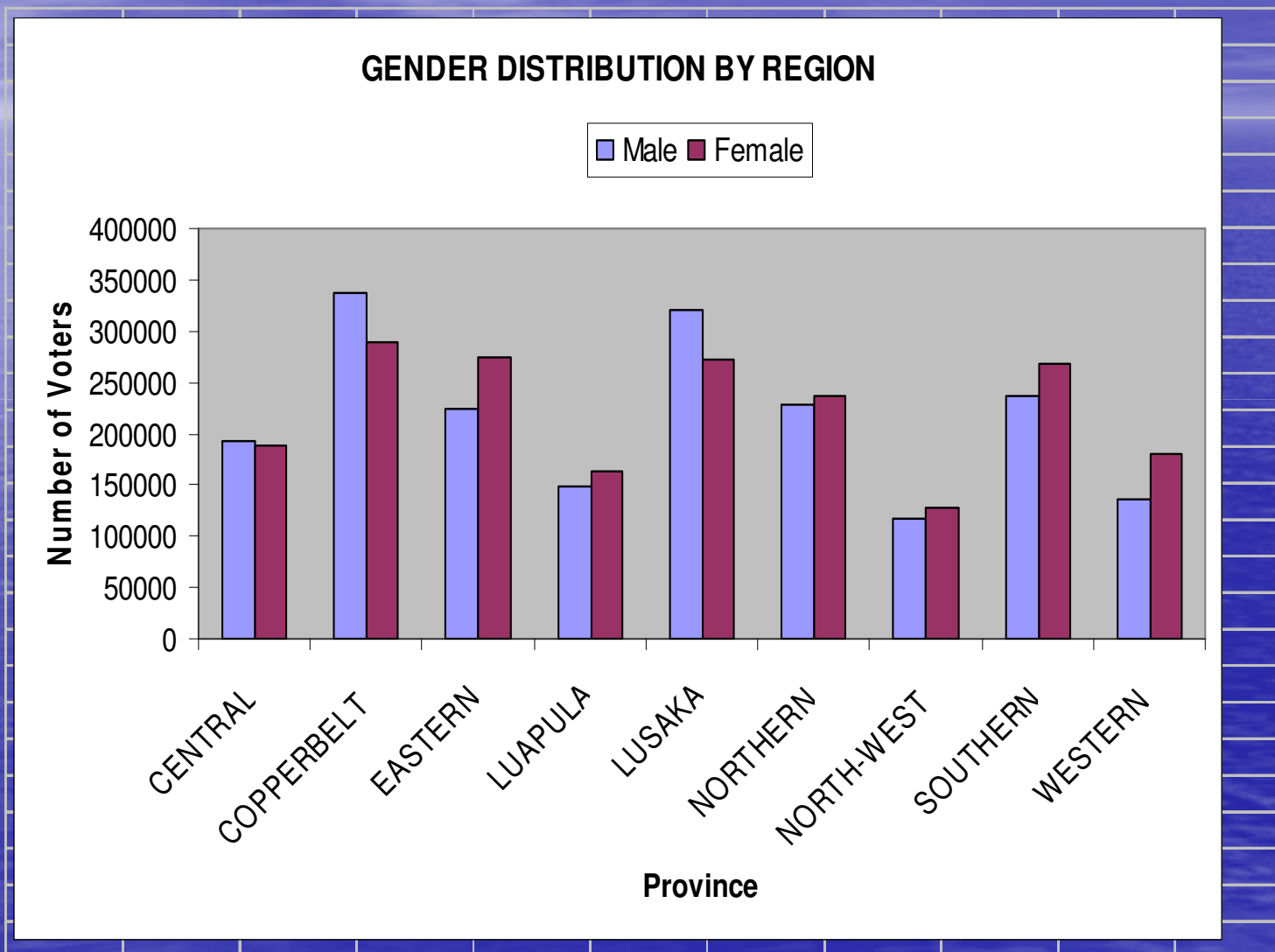
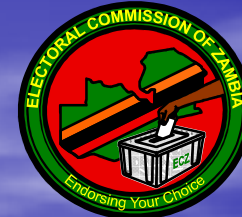
Future Plans

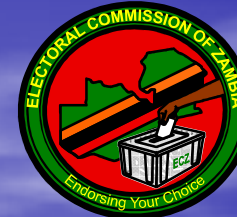
- Permanent Voters Register
- Exploit Synergies with Civil Register
- Enhance quality assurance
- Digital solution for Portrait capture and transmission
- Integration of Electoral Information Management System with the Geographical Information System (GIS)



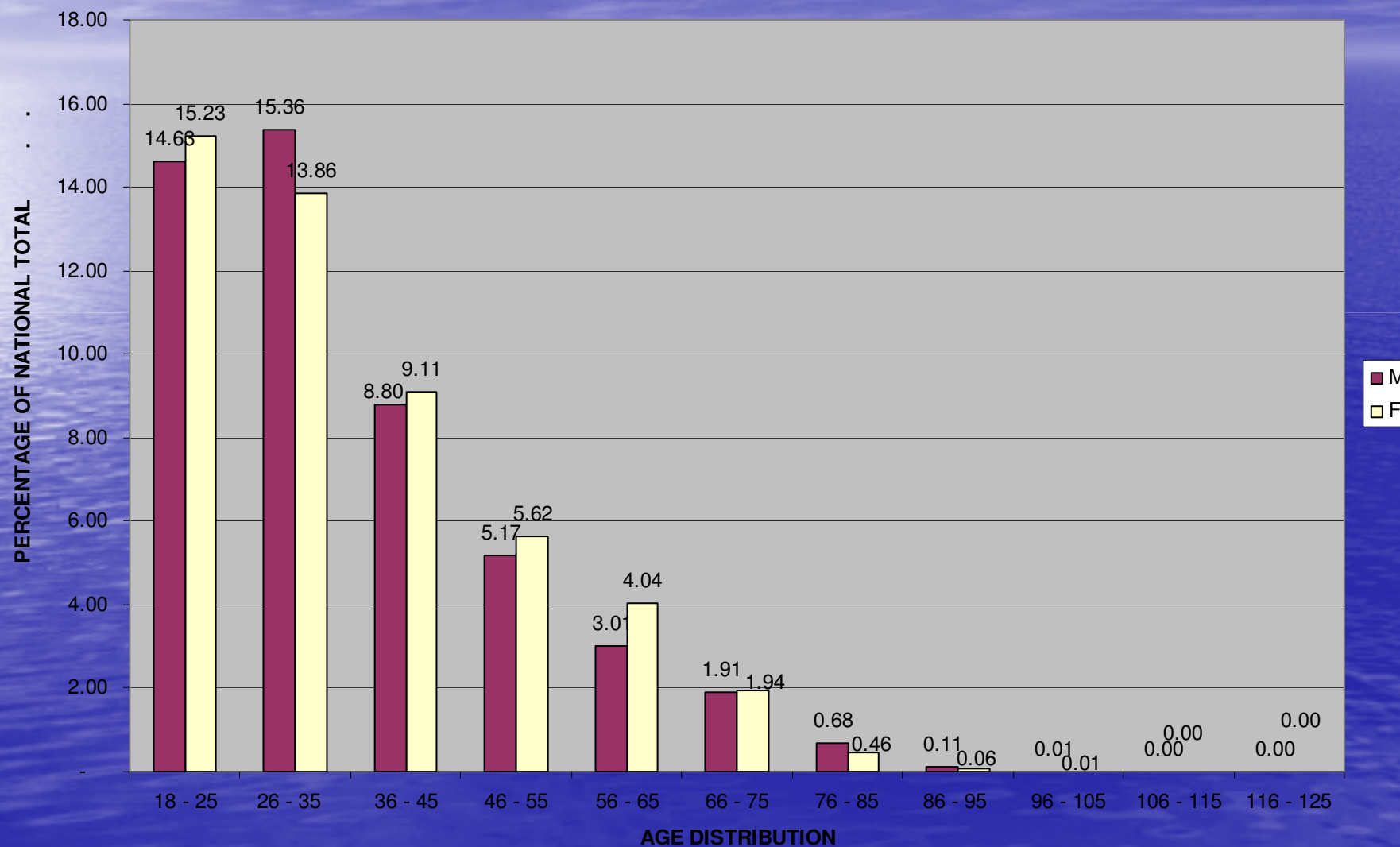
VOTER REGISTRATION STATISTICS

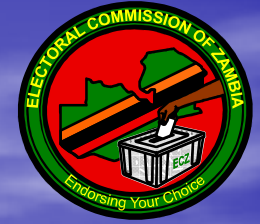
- Gender Distribution by Region
- Age Distribution





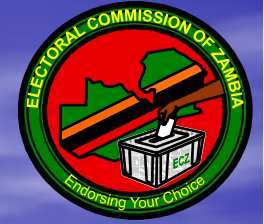
2006 REGISTERED VOTERS - DISTRIBUTION BY AGE





IN CONCLUSION

A CREDIBLE VOTERS REGISTER FOSTERS
THE PROCESS OF DEEPENING A
COUNTRY'S DEMOCRACY



THANK YOU