

Systems and practices for data collection and analysis

ADDIS ABABA

01 – 03 DECEMBER 2015

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Results verification and electoral integrity

- Data transmission of voting results contributes to integrity of elections
- Can jeopardise the entire electoral process
- Transparency
- Confidence throughout the value chain is a requirement.

The Long and Winding.....



Historical challenges

- Polling districts not delimited
- Centralised counting of ballots in 1994
- Safeguarding Ballots papers in transit
- Delays in finalisation
- Unaccounted results
- Lack of transparency
- Compromise saved the day

Data collection Practices at Polling stations

- Results slips provided to polling stations are treated as election security items
- There are no blank forms in the system
- Forms are pre-printed for a specific polling station
- A new form can be requested by a local office within the system which will require national office approval.
- Counting takes place immediately after voting at the polling station
- Results slips are Completed in the presence of political party agents present throughout the voting and counting
- Completed in duplicate and party agents sign as witnesses
- One copy is affixed to the door of the polling station
- Second copy is sent to local IEC office in a tamperproof transparent bag.
- Party agents may also take a photograph of the completed result slip.



Data collection and verification at local offices

- 23 000 polling stations roll back to 234 municipal offices
- Check for arithmetic accuracy
- Results system requires double capture
 - Second capture is “blind”
- Captured result is verified by independent auditors (present in local offices) as correct against the original result slips.
- If any errors are detected an edit window is requested providing a controlled environment for corrections
- Original result slip is scanned into the results system and is linked to the captured result

Audit and verification

020398436800128012

MEC 18 **Ward By-Election Ballot Counting Form**

Results Form to be completed by the Counting Officer in respect of votes cast for candidates in ward ballot in terms of 53(1) of the Local Government Municipal Electoral Act, 2000(AJ No. 27 of 2000)

43680012

Election Date: 30 Sep 2015

Voting District Number: 43680012 **Registered Voters:** 2040

Municipality: KZN253 - eMahlangueni [Utrecht]

Ward: eMahlangueni

White Ballot Paper

Candidate Name	Party Name / Independents	Votes	Party Agent/Candidate Signature as proof of acceptance of the result
HEZEKIA MATHONI MATHONZI	INKATHA FREEDOM PARTY	252	<i>[Signature]</i>
NDLOVU NTSIKELELO	AFRICAN NATIONAL CONGRESS	336	<i>[Signature]</i>
NKOSI PHOTHA JOSEPH	NATIONAL FREEDOM PARTY	36	<i>[Signature]</i>
Total Spoilt Votes		3	
Total Valid Votes		627	
Total Invalid Votes		0	Total Special Votes 17
Name of Deputy Counting Officer		<i>B.P. Hlophe</i>	
Signature of Deputy Counting Officer		<i>[Signature]</i>	
Name of Counting Officer		THEMBA ZONDI	
Signature of Counting Officer		<i>[Signature]</i>	
Date Completed		30/09/2015	
Telephone Contact No		025787873	Alt Telephone Number 034 351 3022
Identity Number of Counting Officer		73112254060815	



020398436800128912

30 Sep 2015 By-Election

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By-Election Results Report

Results as on: 2015/12/01 03:06:05 PM

Election Type: 30 Sep 2015 By-Election
Province: KwaZulu-Natal
Municipality: KZN253 - eMahlangueni [Utrecht]
Ward: 52503002
Voting District: 43680012
Registered Voters: 2,040

Candidate Summary

Candidate Name	Party Name	Voting District	Valid Votes	% Valid Votes
HEZEKIA MATHONI MTHETHWA	INKATHA FREEDOM PARTY	43680012	252	40.38%
NTSIKELELO NDLOVU	AFRICAN NATIONAL CONGRESS	43680012	336	53.85%
PHOTHA JOSEPH NKOSI	NATIONAL FREEDOM PARTY	43680012	36	5.77%

Ward Summary

Voting District	Registered Voters	Valid Votes	Spoilt Votes	Total Votes	% Spoilt	% Poll
43680012	2040	624	3	627	0.48%	30.74%
Total	2,040	624	3	627	0.48%	30.74%

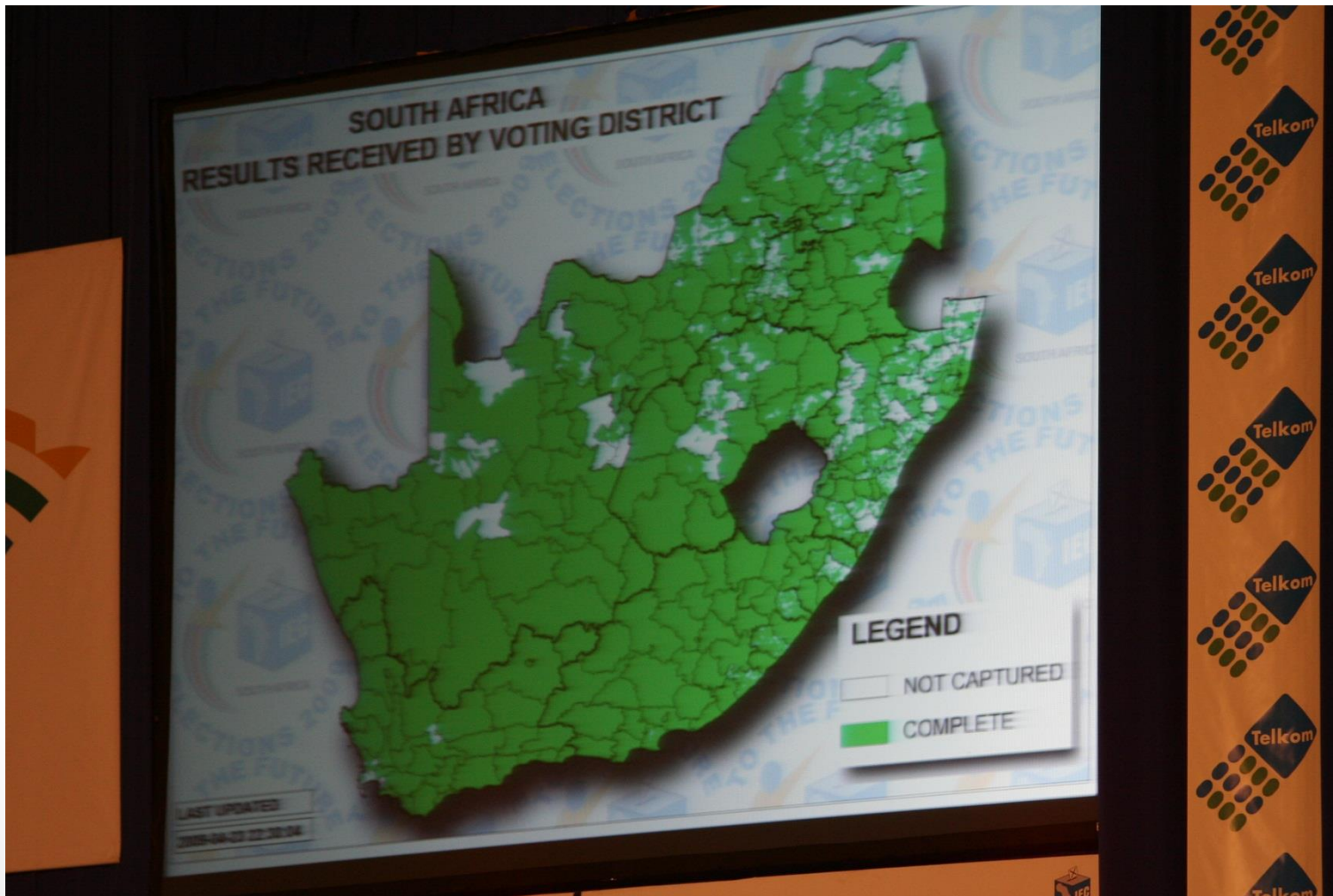
Verification at Results centers

- 10 results centers (national and 9 provincial)
- Results centers are focal point for political parties, media, observers and other stakeholders.
- Political parties have limited access to the results system
 - View results and the scanned result slip
- Media houses also receive results through application process interface (API's) as and when it becomes available.

MEDIA



Monitoring operations



Real Time tabulation



Converting votes to seat allocation



Analysis of data

- All general elections are characterized by more than one ballot
- exception parameters are set up in the system to detect anomalies
 - Tolerance party votes comparison (voters have at least 2 ballots)
 - Voter turnout tolerance (less than 100%)
- Controlled Editing facility on request and approved at National level.
- Results are streamed via API's to media houses who also perform their own analysis

Systems integrity

- Developed in-house
- Independent systems audit
- Political parties also have an opportunity to perform their own audit of the system
- They receive training
- Objection procedure