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**Data Management Verification of Street Numbers and Street
Names in 6 Districts of the Federal Capital City (FCC)
Abuja Environmental Protection Board**

by

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Acronyms/Abbreviations

AEPB	Abuja Environmental Protection Board
AEA	Abuja Enterprise Agency
AGIS	Abuja Geographic information System
BIMS	Building Management Information System
DFID	Department for International Development
FCC	Federal Capital City
FCDA	Federal Capital Development Administration
FCT	Federal Capital Territory
IGR	Internally Generated Revenue
NEEDS	National Economic Empowerment Development Strategy
SLGP	State and Local Government Programme
SEEDS	State Economic Empowerment and Development Strategy



1.0 SUMMARY

The Abuja Environmental Protection Board (AEPB), in collaboration with the SLGP, has successfully completed the verification of enumerated buildings in six districts of the Federal Capital City (FCC). The verification became necessary because the AGIS unit of FCTA had undertaken the reorganization of street names and assigning of proper street numbering system to buildings in the target pilot districts without reference to the AEPB enumeration carried out earlier. As a result of the reorganization by AGIS unit the street number and names in the database in AEPB was affected and needed to be updated.

The complete verification exercise took the efforts of six teams of verification personnel, supervisors, and data entry personnel to accomplish in a period of about three weeks of field work. The verification report has indicated that 12,985 buildings exist in the districts. The verification teams were able to match and link 7,910 building numbers with the AEPB database records. The linked buildings with new street names can now be addressed through the new numbering system without any difficulties. The verification has only solved the problem created as a result of the new street numbering and names to the tune of 62% coverage of all the buildings in the six pilot districts. The inability to assign all the 12,985 buildings with new numbers and link the records to the existing AEPB database records are due to the omissions of some buildings by the AGIS team that undertook the numbering and existence of new building structures that have not been added to the AGIS database since the baseline enumeration took place a year ago.

The bulk of the collectable revenues in the FCC is anticipated to come from these districts and all efforts should be geared toward achieving 100% coverage listing of all buildings in the six target districts in the AEPB database.

This verification report includes the following recommendations:

The result of the verification underscores the need for AGIS, AEPB, and Development Control departments to work in concert at all times as this would ensure the correct updating of the database information. In order to record 100% billing coverage in the six districts, it is strongly recommended that AGIS Department be persuaded to complete the numbering process for all the omitted buildings.

AEPB, with technical support from SLGP, should make an in-house arrangement for mop-up enumeration of buildings that have not been enumerated in the six pilot project areas.

The contractors that undertook the baseline enumeration should be invited to a meeting with a view to assisting the project in identifying the buildings that were not seen during the verification. A memorandum of understanding was signed by AEPB with the contractors to recall them to take corrective actions whenever the need arose.



It is important to complete the enumeration in the six target districts from the present 62% coverage to 100% by taking steps to get the AGIS Street numbering team to complete the numbering process in the next one month. Thereafter, an enumeration mop-up team should swing into action and fully enumerate the buildings that are not in the AEPB database before the end of the year. The recommendation from the database awareness workshop, which suggested that a technical committee made up of AEPB, Water Board, AGIS and Development Control should be put in place for information sharing, should be considered as a matter of urgency. The activities of these departments have implications for the AEPB database information update, which is serving as a central repository. The training of staff of AEPB on the use of the database information by staff of the Board in their respective unit is overdue.

The process of verification of the billing transaction records was very challenging because the base information made available from the billing software system records all derived from housing units rather than buildings.

2.0 INTRODUCTION

The Federal Capital Territory Administration (FCTA) is one of the government institutions in Nigeria that is being supported by the Department for International Development (DFID) through the State and Local Government Programme (SLGP) in its development efforts within the context of the overall support for government reform activities. The Abuja Environmental Protection Board (AEPB), in collaboration with SLGP, embarked on the enumeration of buildings and housing units in the entire Federal Capital City (FCC) in August 2005. This project was one of DFID's major short to medium term vehicles for supporting national NEEDS and SEEDS policy initiatives as well as a reform agenda that contributes greater efficiency in service delivery.

The enumeration of housing units and all commercial premises in the municipal areas of the Federal Capital Territory (FCT) is a precursor to the successful development of Internally Generated Revenue (IGR) among other rapid socio-economic development projects being embarked upon through the current reform drive. In August 2005, this project had successfully put in place a computerized Building Management Information System (BMIS) for the project beneficiaries, which is currently being housed at AEPB, a well equipped computer centre and billing software. However, the issue of uniquely identifying each building through proper house numbering and proper street names was a major weakness of the computerized system, but the present FCT Administration rose to the challenge by putting in place a new street numbering system in six districts of the FCT as a first cut pilot project. As a result of this intervention of government, the data in the enumeration database needed to be modified and updated to read the new street numbers and names through a verification process in the pilot districts. The new street numbers and names also adversely affected the existing records in the billing database records and generation of accurate records for bills delivery services.

The verification of the street numbers and names as a project had the following objectives: Physical verification of all buildings in the six districts by a team of officers and supervisors through the matching of the AGIS database records with structures on the ground and the record listing from the BIMS records; and the matching of the corresponding records existing from the billing database records.



The project inputs include: pre-verification meeting with stakeholders; training of the recruited verification officers/supervisors who carried out the verification; the preparation of the verification field data materials from the AGIS new street numbers and names data list for the six districts; the listing of the important data fields to help in locating records in the enumeration database in the six target districts; reformatting of the billing spreadsheet records; field work supervision lasting three weeks; field data processing including the direct update of the enumeration database records; and report writing.

3.0 PROCESS FOLLOWED AND WORK DONE

The meeting that took place on 20th July 2006 at Arcade Hotel, CBD Abuja, was part of the preliminary discussions with stakeholders which include staff and heads of AEPB, Water Board, Millennium Integrated Company and the NEEDS Adviser. The meeting primarily examined the instruments designed and data sets proposed for the verification exercise. Names of the attendees of the meeting are attached as Appendix 3.

A one-day training of the people that directly executed the verification took place on 20th July 2006 at Abuja Enterprise Agency (AEA) Training Room, Wuse 2, Abuja. The project consultant undertook the training exercise which included field test activities of the verification process in the neighboring streets of AEA environment. A meeting involving the NEEDS Adviser and Technical Officer with the verification field workers took place on the fourth day into the verification exercise. The purpose of the meeting was to share field experiences of the verification personnel as a group. The full list of the people that undertook the assignment is attached as Appendix 4.

Each district's verification officials were made up of three people who worked throughout as a team during the verification process. The verification and supervision lasted beyond ten days because of the rains, enormity and complexity of the documentation of field work in most of the districts. Data entry, cleaning and updating of the AEPB database was carried out in the office of the project consultant.

The project oversight by the consultant involved daily monitoring of all the teams and direct supervisions on a street by street basis as district teams were told to account for all building structured that exists in the domain. The verification teams took inventory of the new AGIS numbers pasted on each building as they walked along the street while also identifying both the old and the new numbers. The team interviewed building occupants where necessary and also made enquiries on buildings that were presumed to have been demolished. Each of the three member team was involved in the recording on the AGIS tables, enumeration data table and the billing data tables respectively.



4.0 OUTCOMES

The table below gives the summary of the results and findings for each of the six districts.

Table 1: Verification Results

S/N o.	Variables	Asokoro	Garki 1	Garki 2	Maitama	Wuse 1	Wuse 2	Total
1	Total No. of Buildings seen and verified	2,752	1,174	1,259	2,446	2,611	2,743	12,985
2	No. of enumerated Buildings found on the ground and correctly assigned AGIS No. addresses from AEPB Building Database during the verification exercise	1,632	1,028	666	1,289	1,703	1,592	7,910
2.1	Percentage of item (2) to (1)	(59%)	(88%)	(53%)	(53%)	(65%)	58%	61%
3	Total Buildings with Verification Queries	1,120	146	593	1,157	908	1,151	5,072
4	Buildings without AGIS No. i.e. Buildings seen and enumerated at baseline but without AGIS No. assigned. (No AGIS No.)	102	87	159	94	35	514	991
	Not Enumerated(items 5 & 6)							
5	No. of Buildings not enumerated but with AGIS Street number	288	1	113	521	223	287	1,433
6	No. of Buildings not enumerated and without AGIS Street number	55	15	223	16	43	78	430
7	No. of enumerated Buildings but not seen on the ground for verification (Not Seen)	672	45	207	558	588	272	2,342
8	No. of Building with AGIS Number pasted on them but are not reflected in the		-		25			25



S/N o.	Variables	Asokoro	Garki 1	Garki 2	Maitama	Wuse 1	Wuse 2	Total
	AGIS database list on paper							
9	No. of Buildings explicitly said to be demolished	2	-	-	-	17	-	19
10	No. of new Street names not listed in the Enumeration Work – Excluding names that changed	18	9	1	1	29	61	119

Note: Some of the variable items above cannot be summed because they have multiple occurrences or overlaps

4.1 Discussions

The AGIS team that carried out the assignment of putting street numbers on buildings did a very good job, but omitted at least 991 buildings when they were affixing the numbers in the six pilot districts. (Asokoro = 102; Garki 1 = 87; Garki 2 = 159; Maitama = 94; Wuse 1 = 35; Wuse 2 = 514). There is the probability that some of the buildings did not exist as at the time the AGIS team did the work, although the plot demarcation may have been known long before the street numbering exercise.

Of the 12,985 buildings seen on the ground by the verification officials, 7,910 were verified seen and linked to the AEPB enumeration database. In other words, delivery of bills to housing units in about 8,000 building structures is now possible using the AEPB database information in the six pilot districts. The use of the linked database information with the AGIS street numbers would amount to approximately 61% coverage in the pilot six districts if distribution of bills is done as the situation stands today.

It is possible to achieve the distribution of bills to the tune of 100% coverage if the AEPB and the project make urgent arrangements for the AGIS team to quickly paste street numbers on the omitted buildings, and a special enumeration mop-up team is put in place to enumerate the remaining buildings not covered at baseline.

Table 2: Buildings not enumerated in the districts

Description	Asokoro	Garki 1	Garki 2	Maitama	Wuse 1	Wuse 2	Total
No. of Buildings not enumerated at baseline but with AGIS Street number	288	1	113	521	223	287	1,433
No. of Buildings not enumerated and without AGIS Street number	55	15	223	16	43	78	430
Total	343	16	336	537	266	365	1863

There are two intervening factors that makes it difficult to say if the buildings that were not enumerated so far were are as a result of omissions at baseline enumeration which took place in 2005: there has been demolition of illegal buildings and new structures have been added over the last one year.

Table 3: Comparative analysis of no. of buildings enumerated at baseline and those seen during the verification

Variable	Asokoro	Garki 1	Garki 2	Maitama	Wuse 1	Wuse 2	Total
Total No. of Buildings Verified in 2006	2,752	1,174	1,259	2,446	2,611	2,743	12,985
No. of Building Enumerated in 2005	2,403	1,422	835	1,937	2,341	2,375	11,313
Difference	349	(248)	424	509	270	368	1,672

Three sets of **Action** tables that can facilitate the follow-up work by the AGIS team and an in-house enumeration team for mop-up enumeration are listed below:

- The list of buildings omitted during the numbering process by contractors that were hired by AGIS unit¹.
- The list of buildings that were not found in the AEPB enumeration database, that is, No. of Buildings **not enumerated** and **without** AGIS Street number as at July/August 2005, when the enumeration took place².
- The list of buildings that were enumerated at baseline but not seen during the verification exercise³.

Table 5 gives the summary of the results and findings for each of the six districts, the status of billing record verification and assigning of building and AGIS numbers to existing billing transaction records.

Table 4: Coverage of street number matching with existing billing transaction records

S/No.	District	Total Transactions from Billing database	Assigned Building Id Address	% of building assigned AEPB database building ID Address	AGIS No. Addresses Assigned	AGIS No. %
1	Asokoro	1,504	710	47%	271	18%
2	Garki 1	1,479	1,397	94%	1,325	90%
3	Garki 2	2,017	411	20%	538	27%
4	Maitama	1,961	754	38%	791	40%
5	Wuse 1	2,010	116	6%	110	5%
6	Wuse 2	1,690	535	32%	641	38%
	Total	10,661	3,923	37%	3,676	34%

¹ Annex 5 of the original report.

² Annex 6 of the original report.

³ Annex 7 of the original report.



The process of verification of the billing transaction records was very challenging because the base information made available from the billing software system records all derived from housing units rather than buildings. The building record identification was not always based on features of building type rather it was on the occupant. Most of the billing records lacked old street numbers, plot numbers and all other identification details to enable easy identification by the verification teams. For example, in Wuse 1, Zone 3, Accra Street only three buildings were listed as existing on the street but there are over twenty buildings currently on the ground.

The verification work has indeed advanced local understanding and institutional developments of the AEPB computerized database system that is in place.

5.0 RECOMMENDATIONS

The result of the enumeration underscores the need for AGIS, AEPB, and Development Control departments to work in concert at all times as this would ensure the correct updating of the database information. In order to record up to 95% billing coverage in the six districts, it is strongly recommended that the AGIS Department be persuaded to complete the numbering process for all the omitted buildings.

AEPB, with technical support from SLGP, should make an in-house arrangement for mop-up enumeration of buildings that have not been enumerated in the six pilot project areas.

The contractors that undertook the baseline enumeration should be invited to a meeting with a view to assisting the project in identifying the buildings that were not seen during the verification. A memorandum of understanding was signed by AEPB with the contractors to recall them to take corrective actions whenever the need arose.

The AEPB enumeration software was procured on a one-off consultancy arrangement. The database software design development did not include maintenance for updates and as such requests for modification of software to include new fields cannot be easily undertaken because of lack of financial resources.

6.0 NEXT STEPS

It is important to complete the enumeration in the six target districts from the present 62% coverage to 100% by taking steps to get the AGIS Street numbering team to complete the numbering process in the next one month. Thereafter, the mop-up enumeration team should swing into action and fully enumerate the buildings that are not in the AEPB database before the end of the year. The recommendation from the database awareness workshop which suggested that a technical committee made up of AEPB, Water Board, AGIS and Development Control should be put in place for information sharing should be considered as a matter of urgency. The activities of these departments have implications for the AEPB database information update which is serving as a central repository. The training of staff of AEPB on the use of the database information by staff of Board in their respective unit is overdue.



7.0 REPORT AGAINST TOR

The verification assignment as contained in the ToR has been fully met. All the completed worksheets used for the field verification exercise were checked by supervisors and proofreading teams for accuracy before the updating of the AEPB with SQL database system was effected.

Annex 1

Terms of Reference

Verification Of Building Numbers And Street Names In 6 Districts Of The FCC

Background

The Abuja Environmental Protection Board (AEPB) in collaboration with the SLGP has successfully completed the enumeration of buildings and housing units in the entire Federal Capital City (FCC). Recently, the FCTA renamed some streets and conducted new numbering system in six districts in the municipal areas of the capital city. As a result, the data in the enumeration database needs to be modified or updated to read the new street numbers and names. There is also the need to synchronize the billing record addresses used by Millennium Company for the distribution of bills in the six districts from the updated enumeration records.

Assignment

This assignment will involve the use of verification officers to physically identify each building and reflect the new numbers on a pre-printed list from the enumeration database. The exercise will not necessarily require interviewing anybody. Each verification officer can accomplish the task by taking the inventory of new buildings by walking along the streets and identifying both the old and the new numbers inscribed in a building. Because of the large areas involved and the need to use few verification officers, it would be expedient to hire motor bike riders to help with the required movements and associated logistics. Buildings not found in the existing database record will be noted for inclusion in the database as well. All the enumerators will report daily to a collation centre for submission of data in areas covered.

Outputs

All completed worksheets by field verification officers are expected to be checked by supervisors and submitted to the data collation centre on a daily basis; fully verified district records must be updated in the database with the new addresses and street names that reside in the AEPB Computer Centre.

Duration Of Engagement

Possible start date: 18th July 2006

Foreseen finishing date: 28th July 2006

Consultant	Preparation	Travel	In Filed	Reporting	Total
Thomas Ubuane	0	0	9	1	10

Reporting

A final report should be submitted on the due dates to the NEEDS Adviser at the end of the exercise. The consultant shall report to the NEEDS Adviser through the NEEDS Technical Officer. A report is expected ten days from the approval of this input.



Annex 2

**List of Participants at the Meeting with Stakeholders
Before the Verification Exercise**

NO	NAMES	ORGANISATION
1	TOM UBUANE	SLGP
2	JOE ABAH	SLGP/DFID
3	OBEH VINCENT	FCT Water Board
4	DR. TAYO SANI	Millennium Integrated
5	AJAYI TOPE	Millennium Integrated
6	OKON KELVIN NYONG	Millennium Integrated
7	FUNSHO OGUNDELE	AEPB
8	KASIM M IMAM ESQ.	AEPB
9	HARIYA KUCHARI	AEPB
10	ROSEMARY AKPAN	FCT Water Board
11	AYANTAYO TAIWO	AEPB

Annex 3

List of Individuals that participated in the Verification and Data Management

NO	NAMES	ROLE
1	Festus Omoregie	Verification
2	Etim Uno	Verification
3	Utsu Peter Utsu	Verification
4	Remi Bamgboye	Verification/Supervision
5	Godwin C.E.Ude	Verification
6	Chima Ekeleme	Verification/Proof Reading
7	Eric Akhigbemen	Collation Centre and Checking
8	Eugene Efediyi	Verification/Supervision
9	Margaret Udoh	Verification/ Data Management
10	Okaffor Uzoma	Data Entry
11	Nwodo Sandra	Verification
12	Opara Sylvester	Verification
13	Mbawuke Josephine	Verification/Supervision
14	Jude Ebohon	Verification
15	Charles Onifah	Verification
16	Tunde Akande	Verification
17	Ijeoma Thaddeus	Verification/Supervision
18	Timkat N. Vontau	Verification/Supervision
19	Benjamine Emmanuel	Verification/Supervision
20	Gambo Bello	Verification/Supervision
21	Queen Jato	Database Record updating/
22.	Cletus Owuche	Data Entry
24	Karima Sadiq	Data Entry



Annex 4

List of New Streets and those with changes

A. ASOKORO			
No.	Old Street Name	Changes	No. of Recs.
1	Ali Akilu Cr.	- Usman Dan Fodio Str.	4
	Ali Akilu Cr.	- Queen Amina Str.	26
	Ali Akilu Cr.	- Adekunle Ajasi Cr.	2
	Ali Akilu Cr..	- Ali Akilu Cr. (no change)	2
2	Ebenezer close	- Fedrick Chiluba Close	25
3	Fugar Str.	- Richard Clapperton Str.	28
4	Jimmy Carter Cr	- Winston Churchill Str.	36
	Jimmy Carter Cr.	- Malcom Frazer Str	11
	Jimmy Carter Cr.	- Mao tse Tung Str.	7
	Jimmy Carter Cr.	- Titu Brox Str	11
	Jimmy Carter Cr	- Charles De Gaulle Str.	10
	Jimmy Carter Cr.	- Milton Obote Str.	2
	Jimmy Carter Cr..	- Jimmy Carter Cr. (no change)	32
5	Jose Martin	- Mohammed Bello Str.	6
	Jose Martin	- Jose Martin (no change)	73
6	Justice Ayanda Fatayi	- Fatai Williams	15
	Justice Ayanda Fatayi	- Ayanda Fatayi (no change)	5
7	Musa Traore Str. -	- Thomas Sankara	2
	Musa Traore Str.	- Musa Traore Str. (no change)	21
8	Kwame Nkrumah Str.	- Thomas Sankara	1
	Kwame Nkrumah Str.	- Kwame Nkrumah Str. (no change)	130
9	Maitama Sule Str.	- Paul Biya Close	9
	Maitama Sule Str.	- Omar Bongo Close	20
	Maitama Sule Str.	- Daniel Arab Moi Close	10
	Maitama Sule Str.	- Melesi Zelawi Str.	11
	Maitama Sule Str.	- Kenneth Kaunda Close	5
	Maitama Sule Str.	- Maitama Sule Str (no change)	16
10	Mamman Nasir	- T.Y.Danjuma Str.	3
	Mamman Nasir	- Mamman Nasir (no change)	76
11	Mike Okoye	- Justice Roseline Ukeje Close	7
12	Mohammed Ribado	- Bola Ige Close	13
13	Deeper Life Str.	- Lord Lugard Str.	40
14	Sani Zoro Str.	- Justice Chukwudifo Oputa	13
15	Samuel samara str.	- Samora Machel	2
16	Sowemimo Str.	- Kyari Mohammed Cr.	2
	Sowemimo Str.	- Sowemimo Str (no change)	44
17	T.Y. Danjuma	- Justice Chukwudifo Oputa	2
	T.Y. Danjuma Close	- Thambo Mbeki	2
	T.Y. Danjuma	- Justice Mohammed Bello	1
	T.Y. Danjuma	- T.Y. Danjuma (no change)	68
18	Udo Udoma Str.	- Mary Slessor Str.	27
	Udo Udoma Str.	- Udo Udoma Str. (no change)	15
19	Usman Dan Fodio Str.	- Ali Akilu Str.	11
	Usman Dan Fodio St	- Usman Dan Fodio St (no change)	6
20	Havista Close	- Mungo Park Close	14



B. GARKI 1			
NO	Old Street Name	Changes	No of Records
1	Agatu Str.	– Baguleri Str.	3
	Agatu Str.	– Agatu Str. (no change)	9
2	Gimbiya Str.	– Port Harcourt Cr.	4
	Gimbiya Str.	– Onitsha Cr.	4
3	Michika Str.	– Takum Close	6
	Michika Str.	– Michika Str. (no change)	5
4	Nkwere Cr.	– Rukuba Close	3
	Nkwere Cr.	– Nkwere Cr (no change)	8
5	Bendel Str	– Oba Close	3
	Bendel Str.	– Bendel Str. (no change)	10
6	Oyo Str.	– Ikeja Close	13
	Oyo Str.	– Offa Close	4
	Oyo Str.	– Abaji Close	4
	Oyo Str.	– Biu Close	3
	Oyo Str.	– Oyo Str. (no change)	8
7	Yola Str.	– Dambata Close	7
	Yola Str	– Ringim Close	5
	Yola Str	– Abriba Close	4
	Yola Str.	– Yola Str. (no change)	5
8	Ilorin Str	– Lafia Close	4
	Ilorin Str.	– Ilorin Str. (no change)	6
9	Lokoja Str.	– Aba Close	8
	Lokoja Str.	– Lokoja Str. (no change)	3
10	Havista Close	– Mungo Park Str. Is Now In Asokoro	14

C. GARKI 2			
No.	Old Street Name	Changes	No Of Records
1	Onitsha Cr.	– Ikole Cr.	4
	Onitsha Cr.	– Onitsha Cr. (no change)	4

D. MAITAMA			
No.	Old Street Name	Changes	No. of Records
1	Alex Kadiri Close	– Rudolf Close	10
2	Aso Oke Hill Street	– Eko-Ruro River Street	5
3	Augustus Aikhomu Crescent	– Anambra River Street	21
4	Barawa Street	– Salt Lake Street	5
5	Biu Close	– Plateau Close	7
6	Collarado Close	– Colorado Close	39
7	Lawani Crescent	– River Jordan Street	7
8	Quito Street	– Cuito Street	7
9	Sangha Street	– Shangha Street	15
10	Udi Close	– Udi Hills Close	45
11	Vanner Crescent	– Vanern Crescent	9
12	Vistula Close	– Visitula Close	13



E: WUSE 1			
No.	Old Street Name	Changes	No. of Records
1	Abia Street	- Ndele - Kamina Close	6
2	Alfayium Street Alfayium Street	- Ndele - Alfayium (No change)	2 13
3	Angola street Angola Street	- Johannesburg - Angola Street (No change)	8 15
4	Antana Antana	- Narivo - Asamankese	3 4
5	Benue Str	- Madingou Str.	4
6	Bissau Str. Bissau Str. Bissau Str.	- Welkom Close - Masseru Str - Bissau Str. (No change)	2 1 7
7	Buake Str Buake	- Bouake - Timbuktu Str.	6 2
8	Chioma Str.	- Sawhaz Str.	6
9	Constantine Str Constantine Str Constantine Str Constantine Str. Constantine Str.	- Oshakati Close - kubwa Close - Ati Str. - Doarben Str. - Constantine Str. (No change)	4 6 9 1 6
10	Dalaba Str	- Algiers	8
11	Danbia Str Danbia Str	- Damba Str. - Hargeysa	7 5
12	Dodoma Str Dodoma Str Dodoma Str.	- Welkom Str. - Iringa Str. - Dodoma Str. (No change)	3 1 5
13	Garoua Str.	- Darioa Str.	8
14	Gurara Str.	- Lumsar Str.	8
15	Gwello Str.	- Gwela Str.	12
16	Harare Close Harare Close	- Tripoli Close - Harare Close (No change)	4 10
17	Ibrahim Babagida Cls Ibrahim Babagida Cls	- Gwani str. - Cape town	4 2
18	Lomanmansa Lomanmansa Str Lomanmansa Str.	- Ziguinchor Str. - Cape town - Gwani Str.	19 2 4
19	Lusaka Lusaka	- Juba - Lusaka (No change)	3 27
20	Mabonto Str.	- Rumbek Close	7
21	Monsterrado Str Monsterrado Str Str. Monsterrado	- Kitwe Str. - Lakoya - Monsterrado (No change)	3 18 13
22	Mumbassa Str. Mumbassa Str Mumbassa Str.	- Tessadua Close - Boffa Close - Mumbassa Str. (No change)	3 4 5
23	Niamey Str.	- Miami Str.	18



E: WUSE 1			
No.	Old Street Name	Changes	No. of Records
24	Niger Str.	- Lumumbashi	12
25	Ondo Close	- El-Minya Close	4
26	Owena Str.	- Biskira Str.	9
27	Sassanda	- Asela Str.	3
	Sassanda	- Mobondo Str.	4
28	Sfax Close	- Owando	4
	Sfax Close	- Sfax Str.	13
29	Tunis	- Nyala Close	6
	Tunis	- PretoriaCclose	5
	Tunis	- Tunis (No change)	27
30	Umme Str.	- Oume Str	4
31	Younde Str	- Zinder Close	2
	Younde Str.	- Younde Str. (No change)	54

F: WUSE 2			
No.	Old Street Name	Changes	No. of Records
1	Ademola Adetokunbo Ademola	- Bozoun close	2
	Adetokunbo	- Birao close	13
	Ademola Adetokunbo	- Koubia close	7
	Ademola Adetokunbo	- Ademola Adetokunbo (No change)	10
2	Bangui Str.	- Kindia Str.	3
	Bangui Str.	- Nola Close	5
	Bangui Str.	- Bouar Close	4
	Bangui Str.	- Bangui Str. (No change)	13
3	Blantyre Str	- Sirakoro Str	5
	Blantyre Str.	- Sorotona Close	5
	Blantyre Str.	- Bria	4
	Blantyre Str.	- Blantyre Str. (No change)	25
4	Cairo Str.	- Sakete Str.	9
	Cairo Str.	- Kampala	17
	Cairo Str.	- Lungi Str.	9
	Cairo Str.	- Cairo Str. (No change)	60
5	Durban Str.	- Masuku Close	6
	Durban Str.	- Lumbarene Close	3
	Durban Str.	- Tchibanga Close	2
	Durban Str.	- Toamasina Str	5
	Durban Str.	- Mekambo Close	3
	Durban Str.	- Sibut Close	2
	Durban Str.	- Koutiala Str.	2
	Durban Str.	- Durban Str. (No change)	72
6	Femolat Cr.	- Luanda Cr.	5
7	Freetown Str.	- Hombori Str.	16
	Freetown Str.	- Louga Cr.	10
	Freetown Str.	- Djibouti Cr.	33
	Freetown Str.	- Freetown Str. (No change)	38
8	IBB Way	- Eldoret Close	3
		- IBB Way (No change)	



F: WUSE 2			
No.	Old Street Name	Changes	No. of Records
9	Kolda link Str. Kolda link Str. Kolda link Str. Kolda link Str.	- Mamou Close - Leribe Close - Qutting Close - Kolda link Str. (No change)	1 4 6 26
10	Obasanjo Str. Obasanjo Str.	- Thaba Tseka Str. - Obasanjo Str. (No change)	27 14
11	Off Adetokunbo Ademola Cr.	- Yalinga Str. - Off Adetokunbo Ademola Cr (No change)	4
12	Sekondi Cr. Sekondi Cr. Sekondi Cr. Sekondi Cr. Sekondi Cr. Sekondi Cr.	- Boke Close - Skono Str. - Toliary Close - Konoko - Macenta Close - Kenema Close - Sekondi Cr. (No change)	4 5 2 8 3 4 20
13	Takum Close	- Seguela Str. - Takum Close (No change)	10 5
14	Aminu Kano Cr. Aminu Kano Cr. Aminu Kano Cr. Aminu Kano Cr. Aminu Kano Cr. Aminu Kano Cr. Aminu Kano Cr.	- Ndjamena Cr. - Embu Str. - Libreville Cr. - Kade Str. - Pakali Close - Kustic Close - Aminu Kano Cr. (No change)	1 7 3 5 2 2 10
15	Azores Str. Azores Str. Azores Str.	- Awande Close - Ajesa Close - Azores Str. (No change)	3 18 4
16	Dar-Esalam Str. Dar-Esalam Str. Dar-Esalam Str.	- Oda Cr. - Mandiana Close - Dar-Esalam Str. (No change)	29 3 13
17	Kumasi Cr. Kumasi Cr. Kumasi Cr. Kumasi Cr. Kumasi Cr. Kumasi Cr. Kumasi Cr.	- Setit Close - Fez Str. - Tillabery Close - Mofoti Str. - Marrakesh Str. - Adzope Cr. - Kumasi Cr. (No change)	3 13 4 7 12 17 57
18	Kumba Close	- Kokoma Close	7
19	Libreville Cr Libreville Cr. Libreville Cr.	- Odienna Close - Bujubura Str. - Libreville Cr. (No change)	5 10 41
20	Lingu Str. Lingu Str.	- Port Novo Str. - Lingu Str. (No change)	15 32
21	Malabo Str.	- Njedmina Cr.	24
22	Monrovia Str. Monrovia Str Monrovia Str. Monrovia Str.	- Banjul Str. - Takwa Close - Bawku Street - Monrovia Str. (No change)	11 2 6 13



F: WUSE 2			
No.	Old Street Name	Changes	No. of Records
23	M-Tel Str.	- Kudang Str.	6
	M-Tel Str.	- M-Tel Str. (No change)	2
24	Nairobi Str	- Kikuyu Close	10
	Nairobi Str.	- Nairobi Str. (No change)	5
25	Obuama Str.	- Pietersbarg Str.	9
26	Oke Agbe Close	- Niafounke Str.	7
	Oko Agbe Close	- Oko Agbe Close (No change)	6
27	Umudim Str.	- Port Elizabeth Str.	7
	Umudim Str.	- Umudim Str. (No change)	4
28	Senator Kura Mohammed	- Casablanka Str.	11
29	Parakou Cr.	- Dakala Str.	14
	Parakou Cr.	- Moudou Str	9
	Parakou Cr.	- Tamba Str.	3
	Parakou Cr.	- Misratah Str.	7
	Parakou Cr.	- Bitou Str.	4
	Parakou Cr.	- Parakou Cr. (No change)	65