



EXPERIENCES AND CHALLENGES IN MANAGING THE LIBERIAN NUMBEING PLAN

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BACKGROUND



- Liberia conforms with the ITU E.164 Recommendation of (1997);
- Initially implemented an Open Numbering Scheme,
- Scarcity of resource in the old plan led to the development of a new numbering Plan,
- New plan has been implement; however that are still challenges



OLD NUMBERING PLAN



- Old Numbering Plan had different number lengths;
- International 00, local 0, Country Code 231
- The Old Numbering plan gave MNOs 1 million numbers, no reserve and no allocation;
- Incumbent fixed Operator got 10 million numbers,

| OPERATOR | MCC | MNC | AREA CODE | NDC+SN |
|-----------|-----|-----|-----------|---------|
| LoneStar | 618 | 1 | 6 | XXX XXX |
| LiberCell | 618 | 2 | 4 | XXX XXX |
| Comium | 618 | 4 | 5 | XXX XXX |
| Cellcom | 618 | 7 | 77 | XXX XXX |
| Libtelco | 618 | 20 | 020 – 029 | XXX XXX |



NEW NUMBERING PLAN



- Closed with even number length, exception short codes
- 80 Blocks of 10 millions each;
- Mobile Network Operators (MNOs) and Incumbent Fixed Operator each has a block of 10 million numbers reserved with 1 million assigned at a time amounting to 3 blocks (055, 077, 088 & 020) respectively.
- One block (033) is reserved and several assignment made for Premium and small fixed operators
- The Regulatory Body allowed MNOs to use easy to remember codes such as 055, 088, 077.



NEW NUMBERING PLAN



■ Liberia Current Numbering Plan

| Operator | Numbering series | Usage of ITU-T E.164 number | Max. Length | Min. Length |
|---|------------------|-----------------------------|-------------|-------------|
| Novafone | (55) 5XX XXXX | Mobile | 9 | 9 |
| Cellcom Telecommunications Incorporated | (77) 0XX XXXX | Mobile | 9 | 9 |
| Cellcom Telecommunications Incorporated | (77) 5XX XXXX | Mobile | 9 | 9 |
| Cellcom Telecommunications Incorporated | (77) 6XX XXXX | Mobile | 9 | 9 |
| Cellcom Telecommunications Incorporated | (77) 7XX XXXX | Mobile | 9 | 9 |
| Cellcom Telecommunications Incorporated | (77) 8XX XXXX | Mobile | 9 | 9 |
| Cellcom Telecommunications Incorporated | (77) 9XX XXXX | Mobile | 9 | 9 |
| Lonestar Cell MTN | (88) 0XX XXXX | Mobile | 9 | 9 |
| Lonestar Cell MTN | (88) 6XX XXXX | Mobile | 9 | 9 |
| Lonestar Cell MTN | (88) 8XX XXXX | Mobile | 9 | 9 |
| Lonestar Cell MTN | (88) 1XX XXXX | Mobile | 9 | 9 |
| West Africa Telecoms Incorporated (WAT) | (33) 0XX XXXX | Fixed Wireless | 9 | 9 |
| Liberia Telecommunications Corporation (LIBTELCO) | (20) XXX XXXX | Fixed Wireless | 9 | 9 |
| Atlantic Reality & Investment Corporation | (33) 202 XXXX | Premium rate services | 9 | 9 |
| WASSCOM | (33) 25X XXXX | Premium rate services | 9 | 9 |
| WASSCOM | (33) 22X XXXX | Premium rate services | 9 | 9 |
| K-Tel Enterprise | (33) 23X XXXX | Premium rate services | 9 | 9 |
| K-Tel Enterprise | (33) 24X XXXX | Premium rate services | 9 | 9 |
| K3-Telecoms Liberia Incorporated | (33) 333 XXXX | Fixed | 9 | 9 |



SHORT NUMBERS & CODES



- Liberia currently have 3 and 4 short codes used for emergencies and other uses;
- The Three digits are mainly used for emergencies
- Currently these codes are not being charged due to lack of regulations,



CHALLENGES



Challenges



Challenges

- Numbering Plan in place but regulations on detail procedure of use of the number not finalized;
- Services not categorized or allocated in blocks;
- Continuous use of deactivated Premium per ITU Bulletin



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- Finalize Numbering Regulations to address all the short comings;
- Allocate services by block
- Coordinate with other regulators around Africa throug correspondence from Study Group 2 proposed Expert Groups