

Workshop on Numbering Planning and Convergence of Numbering
Accra, Ghana 28-30



New National Numbering Plan (NNP) For Ghana

Patrick J. Laryea - NCA



Overview

- *Background*
- *Current GT-Vodafone Fixed Plan*
- *Need For Review*
- *Design Decision Criteria*
- *New Numbering Plan*
- *Some Outcomes*
- *New GT-Vodafone Fixed Plan*
- *Timescale*



Background

Numbers

- *National Resource*
- *Fundamental to business operations*
- *Allow access to public services*

The NCA is responsible for administration of numbering resources (Elec. Comm. Act 775, 2008)

- *Ensure numbers availability*
- *Trust in the meaning provided by numbers*

Current GT-Vodafone Fixed Plan

Region/Exchange Area	Current Numbering Plan	Region/Exchange Area	Current Numbering Plan
<u>Ashanti</u>		<u>Northern</u>	
Kumasi	051 XXXXX	Tamale	071 XXXXX
Konongo	0531 XXXXX	Walewale	0715 XXXXX
Ashanti Mampong	0561 XXXXX	Buipe	0716 XXXXX
Ejura	0565 XXXXX	Damango	0717 XXXXX
Bekwai	0572 XXXXX	Yendi	0744 XXXXX
Obuasi	0582 XXXXX	Bole	0746 XXXXX
<u>Brong Ahafo</u>		Salaga	0752 XXXXX
Sunyani	061 XXXXX	<u>Upper East</u>	
Bechem	0632 XXXXX	Bolgatanga	072 XXXXX
Berekum	0642 XXXXX	Navrongo	0742 XXXXX
Dormaa Ahenkro	0648 XXXXX	Bawku	0743 XXXXX
Wenchi	0652 XXXXX	<u>Upper West</u>	
Techiman	0653 XXXXX	Wa	0756 XXXXX
Atebubu	0567 XXXXX	<u>Volta</u>	
Yeji	0568 XXXXX	Ho	091 XXXXX
<u>Central</u>		Amedzofe	0931 XXXXX
Swedru	041 XXXXX	Hohoe	0935 XXXXX
Cape Coast	042 XXXXX	Kpandu	0936 XXXXX
Dunkwa	0372 XXXXX	Kete-Krachi	0953 XXXXX
Winneba	0432 XXXXX	Denu / Aflao	0962 XXXXX
<u>Eastern</u>		Keta & Akatsi	0966 XXXXX
Koforidua	081 XXXXX	<u>Western</u>	
Nsawam	0832 XXXXX	Takoradi	031 XXXXX
Nkawkaw	0842 XXXXX	Axim	0342 XXXXX
Mpraeso	0846 XXXXX	Elubo	0345 XXXXX
Donkorkrom	0848 XXXXX	Tarkwa	0362 XXXXX
Suhum	0858 XXXXX	Asankragwa	0392 XXXXX
Asamankese	0863 XXXXX	Samreboi	0394 XXXXX
Akwapim Mampong	0872 XXXXX	Enchi	0395 XXXXX
Aburi	0876 XXXXX		
Akim Oda	0882 XXXX		
Akosombo	0251 XXXXX		
<u>Greater Accra</u>			
Accra	021 XXXXXX		
Tema	022 XXXXXX		
Ada	0968 XXXXX		



Need For Review

- *Different digit numbers for*
 - *Different operators*
 - *Same operator*
- *Increase demand for numbers by operators for both old and new services*
- *Confusion about prices being paid by users*
- *Use of most NDC's by one fixed operator*



Design Decision Criteria

Design Modality Geared To Assure:

- *Zero or minimal Customer Disruption*
- *Minimal Market Disruption*
- *Ease of Implementation*
- *Address the Scarcity of Numbers by seeking balance between*
- *Efficiency of Numbering Allocations and Issuance*

National Numbering Plan (NNP)

Numbers Starting	Service Provided	Comments/Remarks
01	Reserved for emergency, public interest services and short codes	Police 191 Fire 192 Ambulance 193 Introduced 112
02	Mobile numbers	The current mobile numbers will be maintained. ie 02Y XXXXXXXX eg MTN – 024 1234567 Kasapa – 028 1234567 tiGo – 027 1234567 GT-Vodafone – 020 1234567 Zain – 026 1234567 Glo -- 023 1234567



NNP (cont.)

Numbers Starting	Service Provided	Comments/Remarks
03	Fixed Geographic numbers	Number will be allocated on regional bases as below: Greater Accra Region– 030 Western Region – 031 Ashanti Region – 032 Central Region – 033 Eastern Region – 034 Volta Region – 035 Brong-Ahafo Region – 036 Northern Region – 037 Upper East Region – 038 Upper West Region – 039 A subscriber in Accra will have 030 1234567



NNP (cont.)

Numbers Starting	Service Provided	Comments/Remarks
04	Data, internet, SMS/MMS services	ISPs will have numbers like 041 XXXXXXXX
05	Reserved for Mobile use	Marked for mobile operations Only MTN is assigned 054 XXXXXXXX
06	Reserved for future use	
07	Reserved for future use	



NNP (cont.)

Numbers Starting	Service Provided	Comments/Remarks
08	Freephone, & non geographic numbers and Personalised numbers	Freephone 0800 e.g 0800 123456 Non geographic – 0850 e.g 0850 123456
09	Premium rate services	e.g 0900 123456 Rates are higher than normal fixed service charges. Revenue shared between telecom provider and Premium rate service provider



Some Outcomes

In the Greater Accra Region, GT-Vodafone will be allocated the following numbers: 030 2XXXXXX and 030 3XXXXXX. This is to differentiate the same numbers in Accra and Tema.

- *Zain will have 030 70XXXXX*
- *Operator A will have 030 60X XXXX*
- *Operator B will have 030 80X XXXX where X = 0 to 9*
- *This makes way for new operators to come in without again changing the numbering plan.*



Some Outcomes (cont.)

For the Ashanti Region the code 030 will change to 032.

- *GT will have 032 2XXXXXXX*
- *Westel/Zain – 032 7XXXXXXX*
- *Operator A – 032 6XXXXXXX*
- *Operator B – 032 8XXXXXXX*

The rest of the Regions will have similar numbering with only the code change for a particular region.

New GT-Vodafone Fixed Numbering

Region/Exchange Area	Current Numbering Plan	Revised Numbering Plan	Comment
<u>Ashanti</u>			
Kumasi	051 XXXXX	032 20XXXXX	
Konongo	0531 XXXXX	032 21XXXXX	
Ashanti Mampong	0561 XXXXX	032 22XXXXX	
Ejura	0565 XXXXX	032 23XXXXX	
Bekwai	0572 XXXXX	032 24XXXXX	
Obuasi	0582 XXXXX	032 25XXXXX	
<u>Brong Ahafo</u>			
Sunyani	061 XXXXX	035 20XXXXX	
Bechem	0632 XXXXX	035 21XXXXX	
Berekum	0642 XXXXX	035 22XXXXX	
Dormaa Ahenkro	0648 XXXXX	035 23XXXXX	
Wenchi	0652 XXXXX	035 24XXXXX	
Techiman	0653 XXXXX	035 25XXXXX	
Atebubu	0567 XXXXX	035 26XXXXX	
Yeji	0568 XXXXX	035 27XXXXX	
<u>Central</u>			
Swedru	041 XXXXX	033 20XXXXX	
Cape Coast	042 XXXXX	033 21XXXXX	
Dunkwa	0372 XXXXX	033 22XXXXX	
Winneba	0432 XXXXX	033 23XXXXX	
<u>Eastern</u>			
Koforidua	081 XXXXX	034 20XXXXX	
Nsawam	0832 XXXXX	034 21XXXXX	
Nkawkaw	0842 XXXXX	034 31XXXXX	Changed to avoid conflict with existing Axim code 034 22
Mpraeso	0846 XXXXX	034 23XXXXX	
Donkorkrom	0848 XXXXX	034 24XXXXX	
Suhum	0858 XXXXX	034 25XXXXX	
Asamankese	0863 XXXXX	034 26XXXXX	
Akwapim Mampong	0872 XXXXX	034 27XXXXX	
Aburi	0876 XXXXX	034 28XXXXX	
Akim Oda	0882 XXXX	034 29XXXXX	Prefix No. with three digits - 292
Akosombo	0251 XXXXX	034 30XXXXX	
<u>Greater Accra</u>			
Accra	021 XXXXXX	030 2XXXXXX	
Tema	022 XXXXXX	030 3XXXXXX	
Ada	0968 XXXXX	030 35XXXXX	

New GT-Vodafone Fixed Numbering (Cont.)

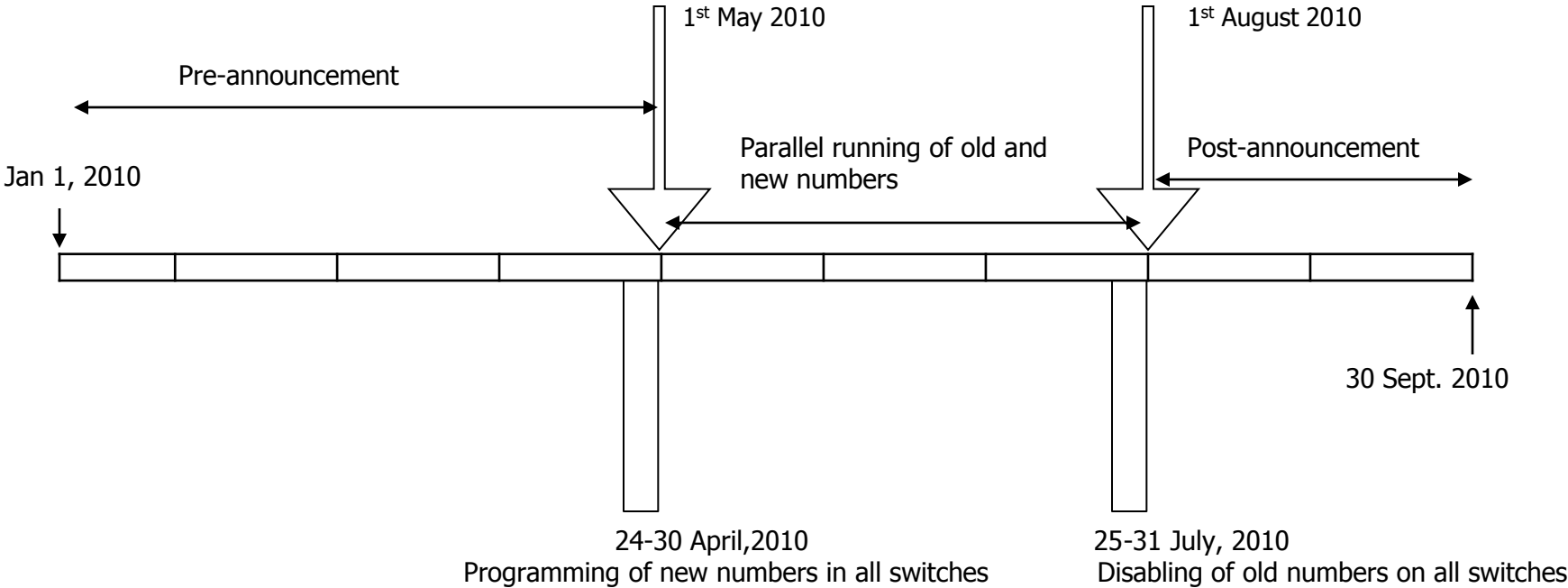
Northern			
Tamale	071 XXXXX	037 20XXXXX	
Walewale	0715 XXXXX	037 21XXXXX	
Buipe	0716 XXXXX	037 22XXXXX	
Damango	0717 XXXXX	037 23XXXXX	
Yendi	0744 XXXXX	037 24XXXXX	
Bole	0746 XXXXX	037 25XXXXX	
Salaga	0752 XXXXX	037 26XXXXX	
Upper East			
Bolgatanga	072 XXXXX	038 20XXXXX	
Navrongo	0742 XXXXX	038 21XXXXX	
Bawku	0743 XXXXX	038 22XXXXX	
Upper West			
Wa	0756 XXXXX	039 20XXXXX	
Volta			
Ho	091 XXXXX	036 20XXXXX	
Amedzofe	0931 XXXXX	036 21XXXXX	
Hohoe	0935 XXXXX	036 27XXXXX	Changed to avoid conflict with existing Tarkwa code 036 22
Kpandu	0936 XXXXX	036 23XXXXX	
Kete-Krachi	0953 XXXXX	036 24XXXXX	
Denu /Aflao	0962 XXXXX	036 25XXXXX	
Keta & Akatsi	0966 XXXXX	036 26XXXXX	
Western			
Takoradi	031 XXXXX	031 20XXXXX	
Axim	0342 XXXXX	031 21XXXXX	
Elubo	0345 XXXXX	031 22XXXXX	
Tarkwa	0362 XXXXX	031 23XXXXX	
Asankragwa	0392 XXXXX	031 24XXXXX	
Samreboi	0394 XXXXX	031 25XXXXX	
Enchi	0395 XXXXX	031 26XXXXX	



Implementation Timescale for GT-Vodafone Fixed Numbers

<i>Item</i>	<i>Start</i>	<i>End</i>
<i>Pre-announcement</i>	<i>January 2010</i>	<i>April 2010</i>
<i>Cutover 1</i>	<i>May 1, 2010</i>	
<i>Parallel Running</i>	<i>May 1, 2010</i>	<i>July 31, 2010</i>
<i>Cutover 2</i>		<i>July 31, 2010</i>
<i>Post-announcement</i>	<i>August 1, 2010</i>	<i>September 30, 2010</i>
<i>The Steady-state</i>	<i>October 1, 2010</i>	

GT-Vodafone Timeline



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Thank You