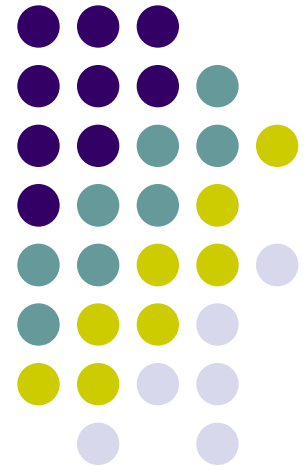
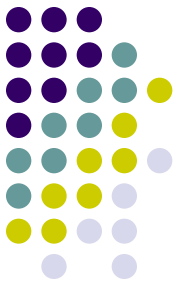




Technical Issues

J. LOUIS
ICT Authority

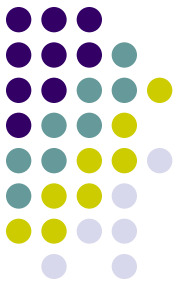




Outline

- Network Changes for Operators
- Changes for End-Users
- Provision of Announcements
- Mobile Subscriber Roaming Number
- Global Title
- The NCMC and NCTC
- The way forward

Network Changes for Operators



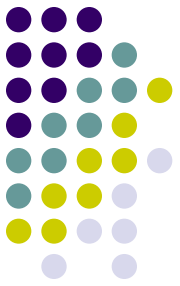
- Are the modifications of the following network elements required for PLMN and other operators (e.g. ILD):-
 - switching systems;
 - billing platforms;
 - prepaid platforms;
 - VAS platforms;
 - Equipment reconfiguration;
 - software upgrades;
 - Others...



Changes for End-Users

- End-users will be required to modify any equipment that analyses numbers to determine charges, bars certain calls in accordance with end-user choices in order to reflect the number change
- PABXs and GSM gateways may require appropriate modifications

Provision of Announcement



- Is the originating or terminating access provider to provide the announcements, and which operator is to bear the cost of the announcement?
- It is suggested that the terminating access provider provides the announcements and bear the cost of same
- Will an international caller receive the announcement?
- For how long should the announcement be played?

Mobile Subscriber Roaming Number



Mobile Station Roaming Number (MSRN):

- The Mobile Station Roaming Number (MSRN) is a temporary location dependent ISDN number. It is assigned by the locally responsible VLR to each mobile station in its area. Calls are also routed to the MS by using the MSRN.

The MSRN has same structure as the MSISDN.

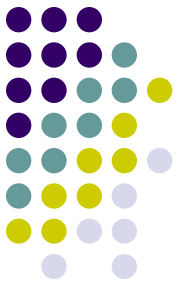
Country Code (CC) : of the visited network.

National Destination Code (NDC): of the visited network.

Subscriber Number (SN): in the current mobile network

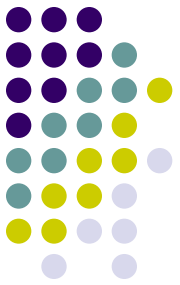
- What will be the effect of number change on MSRN?
- Should the MSRN be migrated to 8-digits?

Global Title

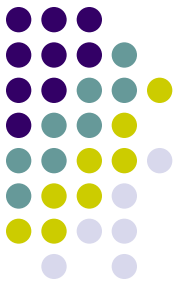


- A Global Title is an address used for routing signaling messages on networks;
- On a mobile network, the International Mobile Subscriber Identity (IMSI) is converted to a Mobile Global Title which has similar structure to the E.164 MSISDN
- What will be the effect of number change on the Mobile Global Title?
- Should the Mobile Global Title be migrated to 8-digits?

The NCMC and NCTC



- The “Numbering Change Monitoring Committee” (NCMC), comprising of the regulator, access providers (PSTN and PLMN operators), ILD operators, representatives of consumers, representatives of the industry and a representative of the MICT. The role of the NCMC is to oversee the implementation of the 8-digit Numbering Plan for mobile networks;
- The “Numbering Change Technical Committee” (NCTC) involving access providers and the regulator. The NCTC is a sub-committee to the NCMC to deliberate on technical issues related to the migration to eight digits and to fine-tune and finalise the implementation guidelines.



Way Forward

- What are operators stand on the identified technical issues?
- What are the other technical issues which need to be identified?
- Does the mandate of the NCMC and NCTC be revised?
- Does the composition of the NCMC and NCTC be revised?

Thank You

