



# Advanced Spectrum Management Workshop - Kenya Day 1

Nairobi, 13-14 November





# Welcome

*Gerald Rasugu,  
Mobile for Development Director,  
Sub Saharan Africa,  
GSMA*





# Socio-Economic impact of mobile broadband on Kenya market

## Mobile Economy and GSMAi Connectivity Index for Kenya

*Shola Sanni, Public Policy Manager, GSMA*



# Spectrum allocation – a vision for the future

**How best practise in spectrum allocation can contribute to a country's mobile economy**

Richard Marsden, Managing Director, NERA



# Coffee Break





# Session I: Spectrum Roadmaps

## How to design a spectrum roadmap

- *Key success factors of roadmap, and spectrum bands ecosystem*
- *Examples of good and bad practice*

Laurent Bodusseau, Senior Spectrum Director, GSMA

Richard Marsden, Managing Director, NERA



# Session I: Spectrum Roadmaps

## Group brainstorming exercise

*What would a 5-10 year roadmap for mobile spectrum allocation in Kenya look like?*



# Lunch break







## Session II: Spectrum Pricing and Awards

### **Best practice in spectrum pricing**

- Impact of spectrum pricing on network investment and retail pricing
- Common mistakes in spectrum pricing

Richard Marsden, Managing Director, NERA



## Session II: Spectrum Pricing and Awards

**Using auctions to support effective pricing of spectrum**

Opportunity to play two sealed bid auctions

*Richard Marsden, Managing Director, NERA*



# Coffee Break





# Session II: Spectrum Pricing and Awards

## Annual Usage fees

Best practice in setting annual fees

*Richard Marsden, Managing Director, NERA*



## Session II: Spectrum Pricing and Awards

### Effective price benchmarking

Example of benchmarking spectrum reserve/final prices with other countries

*Laurent Bodusseau, Senior Spectrum Director, GSMA*



# Questions & Answers





Near Term

Medium Term

Long Term

## Spectrum Roadmap for Kenya V0

4G vision

450MHz – rural areas  
700MHz & 2600MHz

2018

3.3-3.6GHz Re-farming  
3.3-3.4GHz Harmonisation  
2.3GHz  
1400MHz

26GHz and above

Rural coverage

450MHz – rural areas

Policy and actions



Rural investments review



ICT vision  
Policy paper published



Spectrum pricing



Gather market info  
on data needs



Consultations with new  
and existing users



Competition issues



# Cocktail Reception







# Advanced Spectrum Management Workshop - Kenya Day 2

Nairobi, 13-14 November





# Day 1 Wrap up

*Shola Sanni, Public Policy Manager, GSMA*





## Session III: Spectrum refarming

### **The positive impact of technology and service neutrality**

Why allowing technology neutrality will improve the efficiency of spectrum utilisation

*Laurent Bodusseau, Senior Spectrum Director, GSMA*





## Session III: Spectrum refarming

### How to implement spectrum refarming

Which bands are most commonly refarmed from 2G/3G to LTE

*Shola Sanni, Senior Public Policy Manager, GSMA*





# Questions & Answers





# Coffee Break





## Session IV: Spectrum sharing

**The evolution of spectrum licensing models is increasingly being discussed. as much as sharing between mobile operators and also other users, including unlicensed.**

*Laurent Bodusseau, Senior Spectrum Director, GSMA*





# Questions & Answers







# Lunch break





# Session V: 5G and WRC

## WRC-15 Bands Implementation

Presentation of ongoing work of IMT bands identified during WRC-15 for Africa, including L-band and C-band.

*Ross Bateson, Spectrum Advisor, GSMA*





# Coffee Break





# Session V: 5G and WRC

## WRC-19 Preparation

Discussion of the status of WRC-19 preparations for AI 1.13 and bands above 24GHz.

*Ross Bateson, Spectrum Advisor, GSMA*





# Questions & Answers

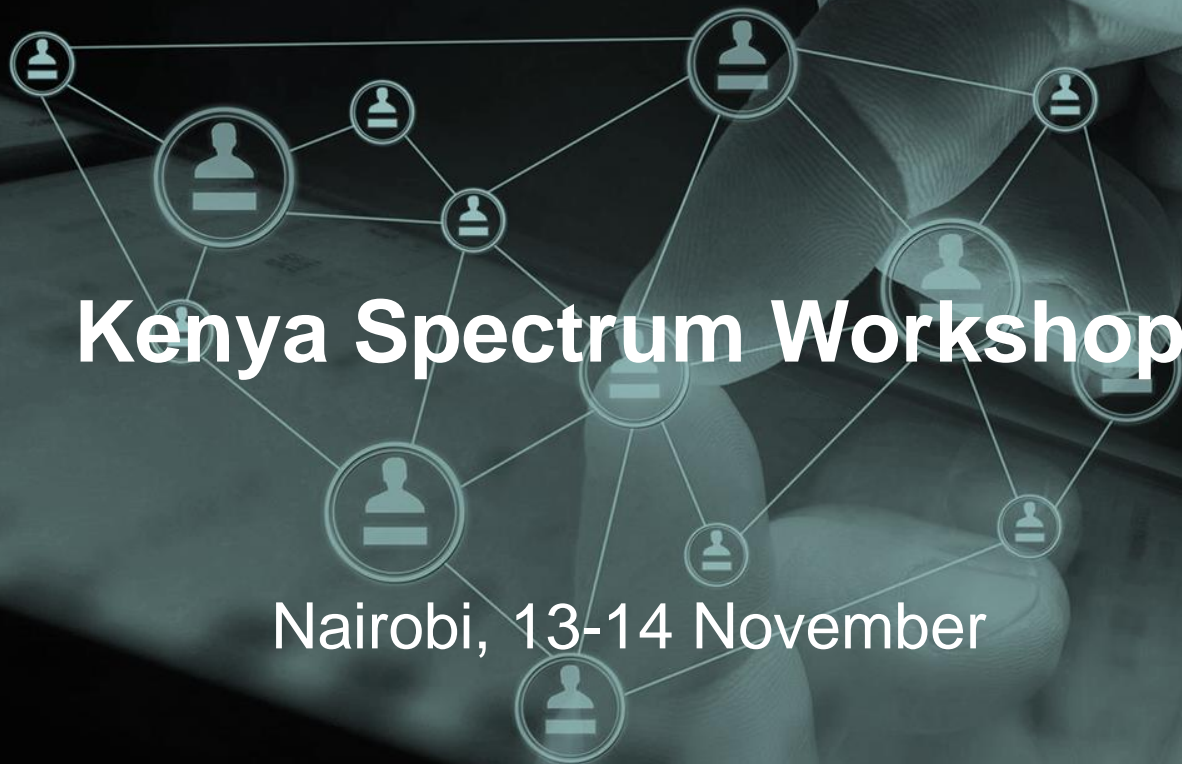




# Feedback & Closing

*Shola Sanni, Senior Public Policy Manager, GSMA*





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