

## Advanced Spectrum Workshop in Kenya

**Nairobi, 13-14 November**

The GSMA is organising a workshop to delve deeper into what's needed to make the most of mobile spectrum now and in the future. During two days, we will cover key topics including spectrum roadmaps, pricing and refarming.

We will then put this into practice with the implementation of WRC-15 bands, such as 1500 MHz. As the preparation ahead of WRC-19 ramps up, we will also discuss what the most important items at the conference are. And what their impact on 5G is.

DAY 1

09:00 -09.30	Registration and coffee
9:30-9:45	<b>Welcome</b> <ul style="list-style-type: none"><li>- <i>Gerald Rasugu, Mobile for Development Director, Sub Saharan Africa, GSMA</i></li></ul>
9:45-10:15	<b>Socio-Economic impact of mobile broadband in Kenya</b> <ul style="list-style-type: none"><li>- <i>Mobile Economy and GSMAi Connectivity Index for Kenya</i> <i>Shola Sanni, Senior Public Policy Manager, GSMA</i></li></ul>
10:15-10:45	<b>Spectrum allocation – a vision for the future</b> <p>How best practice in spectrum allocation can contribute to a country's mobile economy</p> <p><i>Richard Marsden, Managing Director, NERA</i></p>
10:45-11:00	Coffee break
<b>Session I</b>	<b>Spectrum Roadmaps</b>
11:00-11:40	<b>How to design a spectrum roadmap</b> <ul style="list-style-type: none"><li>- Key success factors of roadmap, and spectrum bands ecosystem</li><li>- Examples of good and bad practice</li></ul> <p><i>Laurent Bodusseau, Senior Spectrum Director, GSMA</i> <i>Richard Marsden, Managing Director, NERA</i></p>
11:40-12:10	<b>Group brainstorming exercise</b> <ul style="list-style-type: none"><li>- What would a 5-10 year roadmap for mobile spectrum allocation in Kenya look like?</li></ul>

12:10-13:30	Lunch BREAK
Session II	<b>Spectrum Pricing and Awards</b>
13:30-14:20	<p><b>Best practice in spectrum pricing</b></p> <ul style="list-style-type: none"> <li>- Impact of spectrum pricing on network investment and retail pricing</li> <li>- Common mistakes in spectrum pricing</li> </ul> <p><i>Richard Marsden, Managing Director, NERA</i></p>
14:20-15:00	<p><b>Using auctions to support effective pricing of spectrum</b></p> <ul style="list-style-type: none"> <li>- Opportunity to play two sealed bid auctions</li> </ul> <p><i>Richard Marsden, Managing Director, NERA</i></p>
15:00-15:15	Coffee break
15:15-15:45	<p><b>Annual Usage fees</b></p> <ul style="list-style-type: none"> <li>- Best practice in setting annual fees</li> </ul> <p><i>Richard Marsden, Managing Director, NERA</i></p>
15:45-16:15	<p><b>Effective price benchmarking</b></p> <ul style="list-style-type: none"> <li>- Example of benchmarking spectrum reserve/final prices with other countries</li> </ul> <p><i>Laurent Bodusseau, Senior Spectrum Director, GSMA</i></p>
16:15-17:00	<b>Q&amp;A</b>

Day 2

09:00-09.30	Coffee
<b>Session III</b>	<b>Spectrum refarming</b>
09:30-9:50	<p><b>The positive impact of technology and service neutrality</b></p> <p>Why allowing technology neutrality will improve the efficiency of spectrum utilisation</p> <p><i>Laurent Bodusseau, Senior Spectrum Director, GSMA</i></p>
09:50-10:10	<p><b>How to implement spectrum refarming</b></p> <p>Which bands are most commonly refarmed from 2G/3G to LTE</p> <p><i>Shola Sanni, Senior Public Policy Manager, GSMA</i></p>
10:10-10:40	<b>Q&amp;A</b>
10:40-11:00	Coffee break
<b>Session IV</b>	<b>Spectrum sharing</b>
11:00-11:30	<p><b>Spectrum sharing</b></p> <p>The evolution of spectrum licensing models is increasingly being discussed. as much as sharing between mobile operators and also other users, including unlicensed.</p> <p><i>Laurent Bodusseau, Senior Spectrum Director, GSMA</i></p>
11:30-12:00	<b>Q&amp;A</b>
12:00-13:30	Lunch BREAK
<b>Session V</b>	<b>5G and WRC</b>
13:30-15:00	<p><b>WRC-15 bands implementation</b></p> <p>Presentation of ongoing work of IMT bands identified during WRC-15 for Africa, including L-band and C-band.</p> <p><i>Ross Bateson, Spectrum Advisor, GSMA</i></p>
15:00-15:15	Coffee break
15:15-16:00	<p><b>WRC-19 Preparation</b></p> <p>Discussion of the status of WRC-19 preparations for AI 1.13 and bands above 24GHz.</p> <p><i>Ross Bateson, Spectrum Advisor, GSMA</i></p>

16:00-16:45	<b>Q&amp;A</b>
16:45-17:00	<b>Feedback &amp; Closing</b> <i>Shola Sanni, Senior Public Policy Manager, GSMA</i>