UMTS Forum activities update

Presentation to 3GPP/PCG

Jean-Pierre Bienaimé

Chairman, UMTS Forum

3GPP/PCG#34, 28 April 2014, Sophia Antipolis, France

Summary

- **3G/4G LTE global market overview**
- **UMTS Forum contributions towards WRC-15**
- **Participation in events and conferences**

April 2015: 2Bn 3G/UMTS connections worldwide…
Over 3Bn 3G/4G connections

Data: Informa WCIS (March 15, 2015 extract)

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Promoting mobile broadband evolution

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breakdown of 3G/4G connections (Dec 14)

TOTAL 3G/4G	W-CDMA/HSPA	YoY growth	weight/total
2.845 bn	1832.8m	+19.6%	64.4%
+28.2% YoY	EV-DO 269.6m	YoY growth -6.9%	
TOTAL MOBILE	TD-SCDMA	YoY growth	
7.01 bn	245.8m	+28%	
3G/4G PENET.	LTE	YoY growth	weight/total
40.0%	496.9m	+141%	17.5%

	W-CDMA	EV-DO	LTE	TOTAL
asia-pacific	633.4m	178.0m	233.8m	1291.0m
north america	110.9m	83.0m	163.5m	357.5m
western europe	314.0m	0.1m	66.34m	380.5m
eastern europe	232.1m	4.6m	12.37m	249.1m
middle east, africa	276.2m	3.0m	8.53m	287.7m
south america	266.0m	1.0m	12.34m	279.3m

World: breakdown and evolution of 3G/4G connections by region (Dec 2014)

Data: Informa WCIS (March 15, 2015 extract), estimates. Subscribers bars at scale for all regions

4G LTE: the big picture

Communicating C-band study findings

Delivering key messages ahead of WRC-15

- Background articles and summary of key findings from C-band study available for download at **umts-forum.org**

- Series of personal interviews scheduled with key journalists and influencers during run-up to WRC-15 (summer/autumn)

Conference Preparatory Meeting for WRC15
Geneva, 23 March - 2 April 2015
INTERNATIONAL TELECOMMUNICATION UNION

PLENARY MEETING

Document CPM15-2/XX-E
Day Month Year
Original: English

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THE SUPPLY AND DEMAND OF SATELLITE TRANSPONDER EQUIVALENTS (TPES) IN THE RANGE 3400 – 4200 MHZ (C-BAND) HAVE COME TO A HALT AND IS NOW FLAT, AND IS EXPECTING TO DECREASE IN THE FUTURE

Global C-band TPE demand by application Source:http://www.nsr.com/

WRC-15: conclusions on C-Band

- on the band 3400 – 3600 MHz (3400 – 3700 MHz), opportunities are already identified and most countries wish to harmonize this band for mobile broadband usage
- on the band 3600 – 3800 MHz, In CEPT member countries, opportunities are already identified and several countries wish to harmonize this band for mobile broadband usage; at the European Union level, the availability of the C-band–mainly 3400 – 3800 MHz is essential for the fulfillment of the '1 200 MHz objective', and
- on the 3800 – 4200 MHz band, there are ongoing discussions on sharing and feasibility for the improved utilization of spectrum for the sake of spectrum efficiency.

Therefore there is a need for rational information at a worldwide level which is critical to get the right decisions at the WRC-15.

UMTS Forum presence at events and conferences

- 13-16 October 2014: Futurecom, Sao Paulo, Brazil, « New spectrum for future mobile broadband services - Perspectives for Brazil”
- 21 – 23 October 2014 Amsterdam, Netherlands, Broadband World Forum, Panel: NFV - Tackling Deployment Challenges
- 18 – 20 November 2014, Dallas, USA, LTE North America - Precise Timing and Synchronization Summit , Speaker: Future Mobile Networks and Synchronization
- 19 – 20 November 2014, Idate, Digiworld Summit, Montpellier, France, Future networks and convergent services seminar
- 22 – 23 April 2015, MVNO World Congress, Nice , France, Impact of the growth in data traffic on MVNOs

Presence at ITU Telecom World, Doha, December 2014

Participation in keynote and panel sessions

- J-P Bienaimé invited as panellist to keynote debate **"Disrupt or be Disrupted to Make Broadband Universal"** (8th Dec).
- Session introduced by Dr Hamadoun Touré, outgoing ITU Secretary General.
- UMTSF Chairman calls for "pragmatic and harmonized" approach to network infrastructure of the future.

Presence at ITU Telecom World, Doha, December 2014

Participation in keynote and panel sessions

- J-P Bienaimé participated as panellist in session **"Scarce Resource or Shared Resource?"** (9th Dec).
- Session moderated by Martin Fenton of OFCOM (UK), with participation of GSMA, regulators and satellite community.
- UMTSF presented position on use of C-band frequencies for mobile, emphasising technological evolution and expansion of spectrum needs for 4G and beyond.

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