



# MRP Report to 3GPP

*Chris Pearson*  
President, 4G Americas

**Sophia Antipolis**  
**April 28-29, 2015**

[www.4gamericas.org](http://www.4gamericas.org)



# 4G Americas Board of Governors



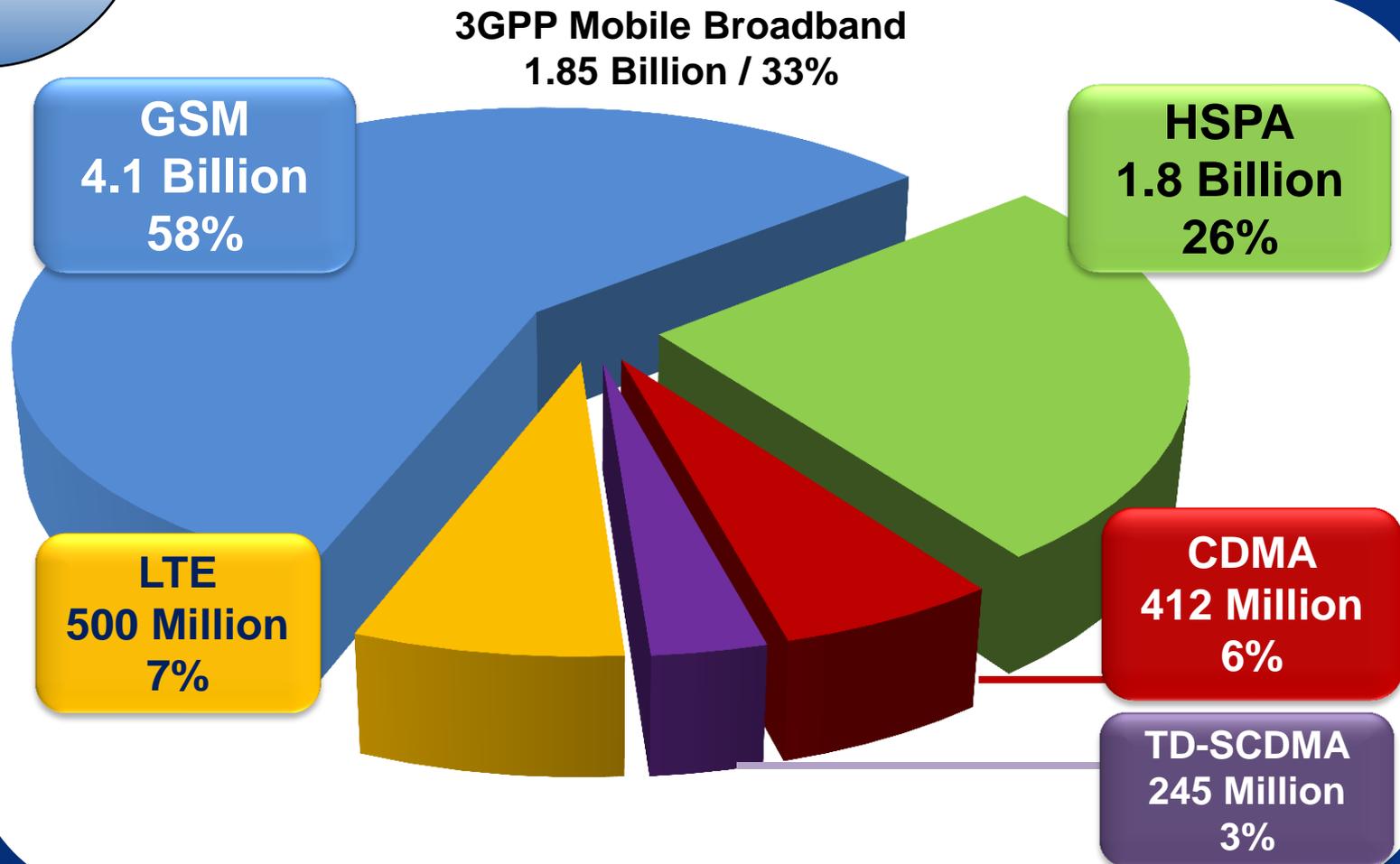
**4G Americas will advocate for and foster the advancement and full capabilities of LTE mobile broadband technologies, including LTE-Advanced and beyond to 5G, throughout the ecosystem's networks, services, applications and wirelessly connected devices in the Americas.**



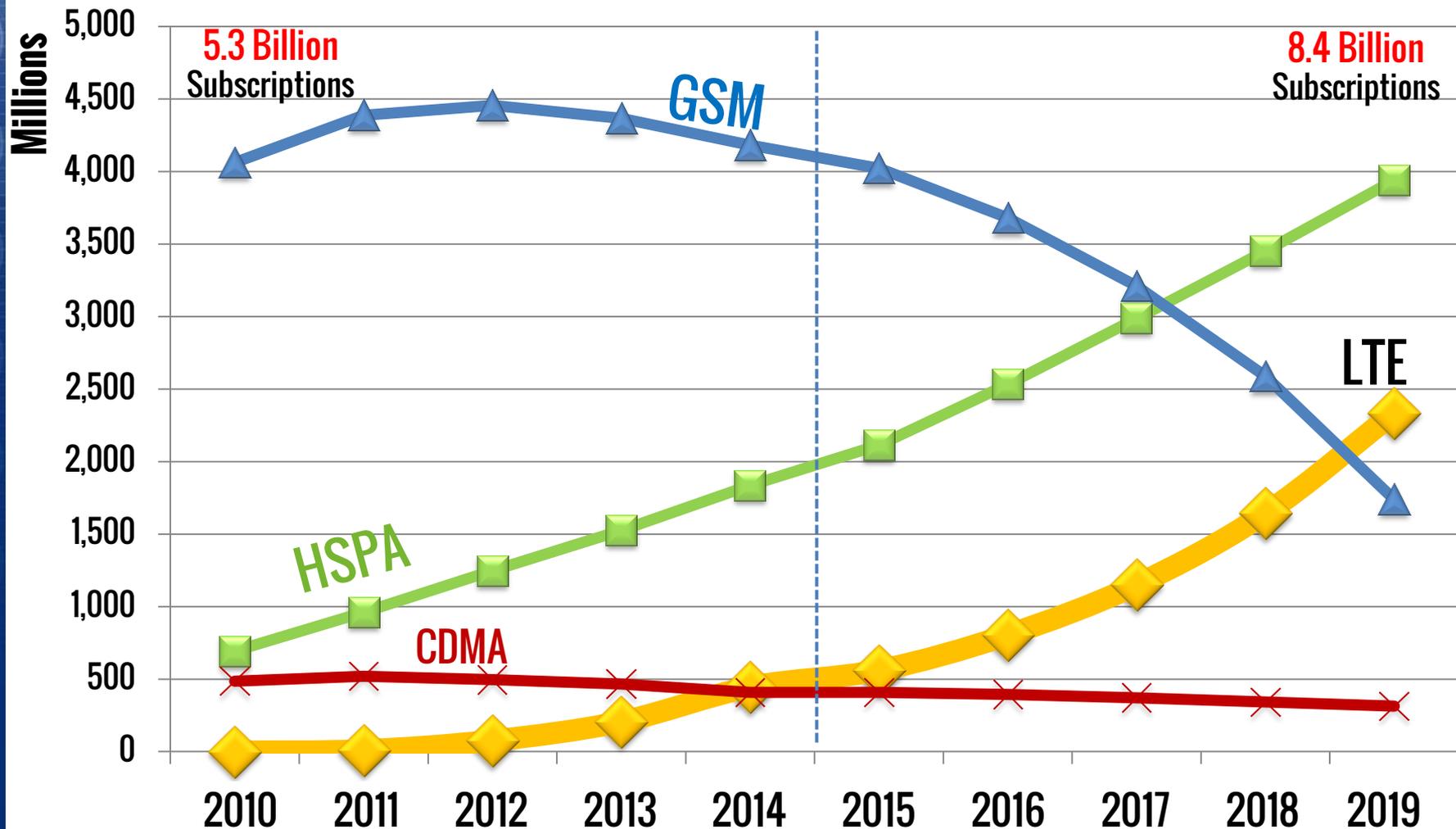
# Market Update

# Global Wireless Landscape 4Q 2014

7.1 billion total cellular connections



# Global Technology Trends 2010-2019



5.3 Billion Subscriptions

8.4 Billion Subscriptions

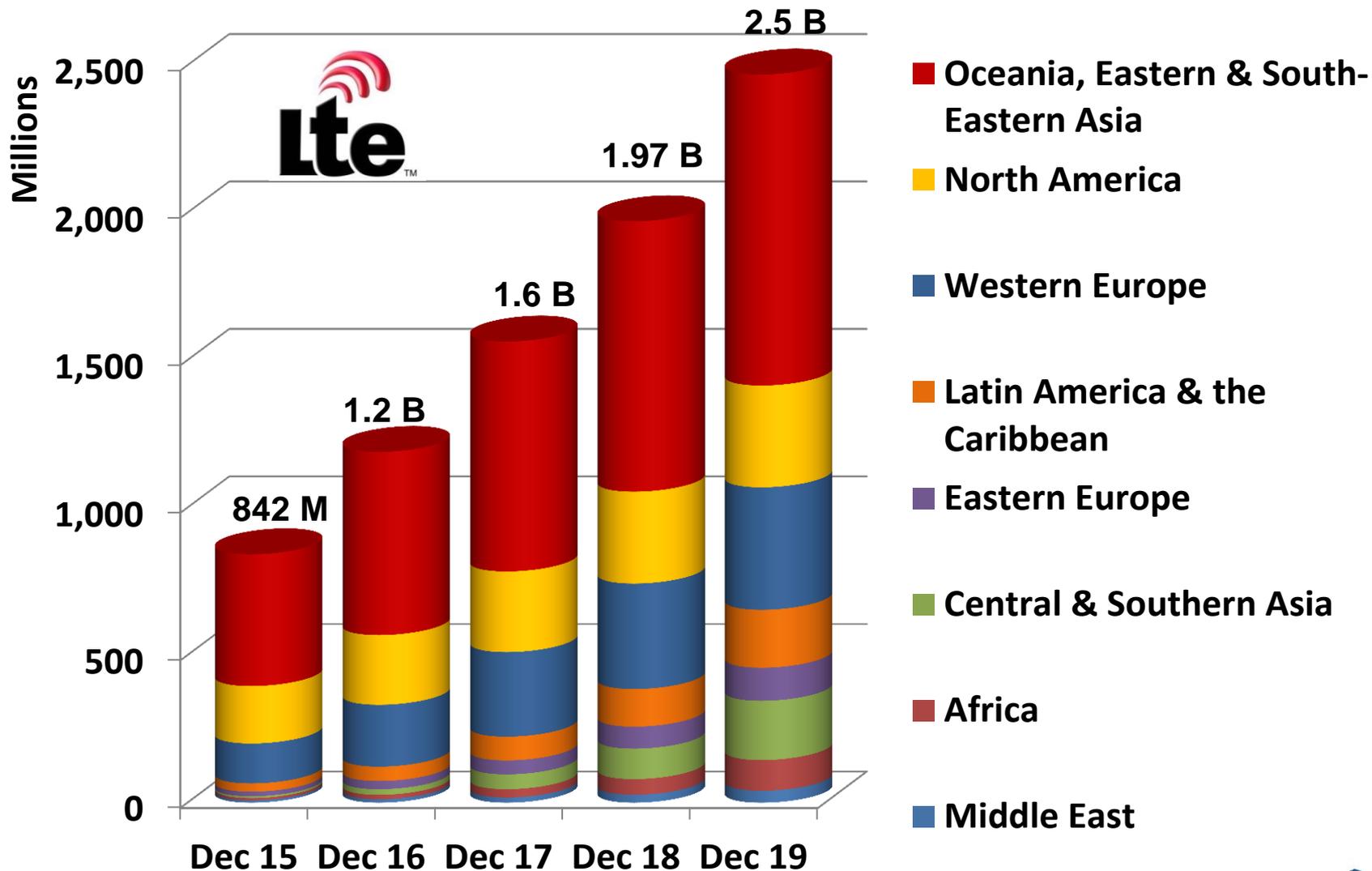
GSM

HSPA

CDMA

LTE

# Global LTE Subscription Growth Forecast



# Global Mobile Broadband Deployments



**381 Networks**  
**123 Countries**  
**500 Million Connections**



**56 Networks**  
**36 Countries**



**HSPA, HSPA+**

**Nearly 600 networks covering  
60 % of the world's population**

# Americas Region Market Update

**US/Canada**



**67 LTE  
Commercial  
Networks**



**4 LTE-  
Advanced  
Commercial  
Networks**

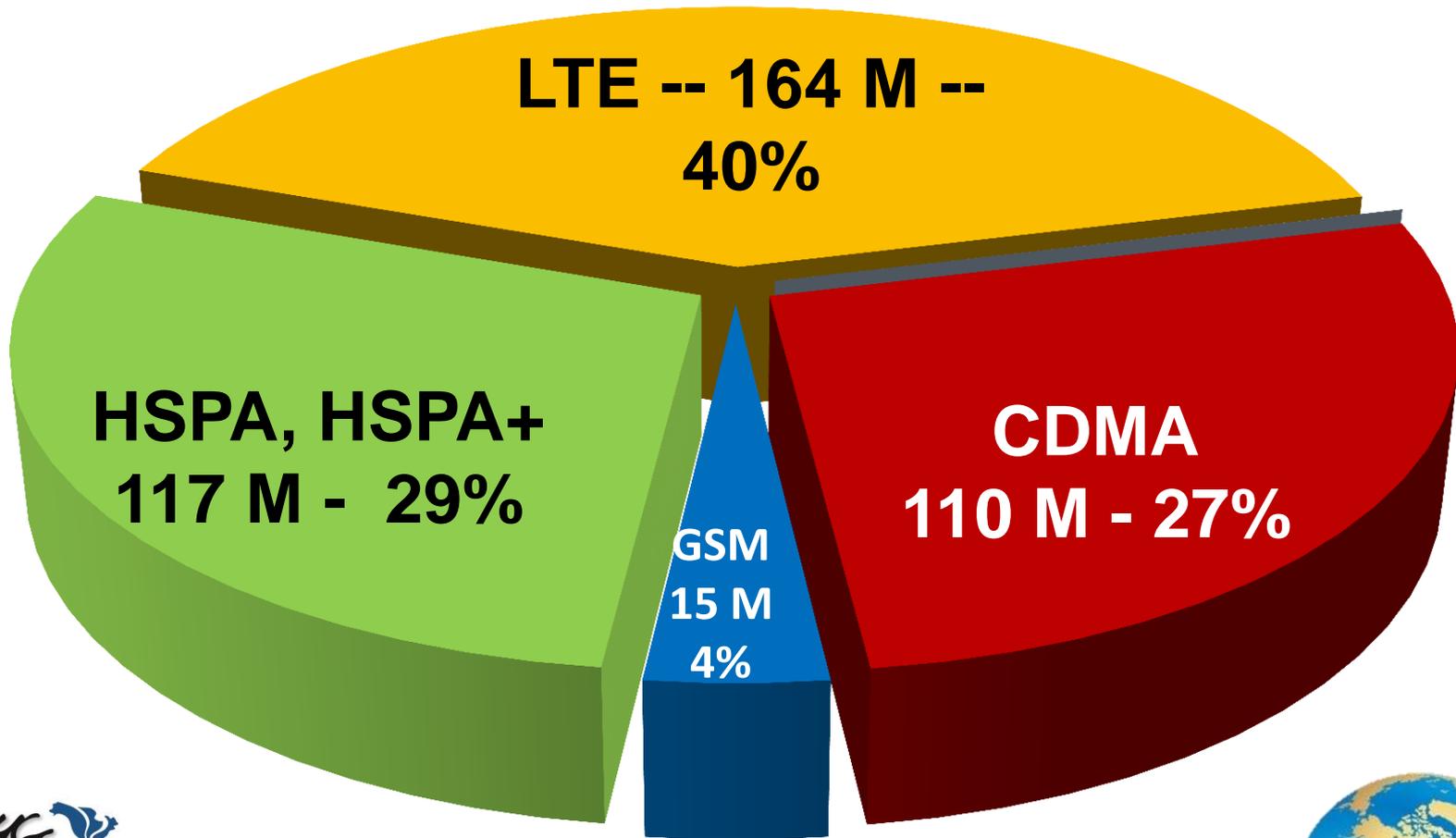
**Latin  
America  
Caribbean**



**62 LTE  
Commercial  
Networks  
in 24  
countries**

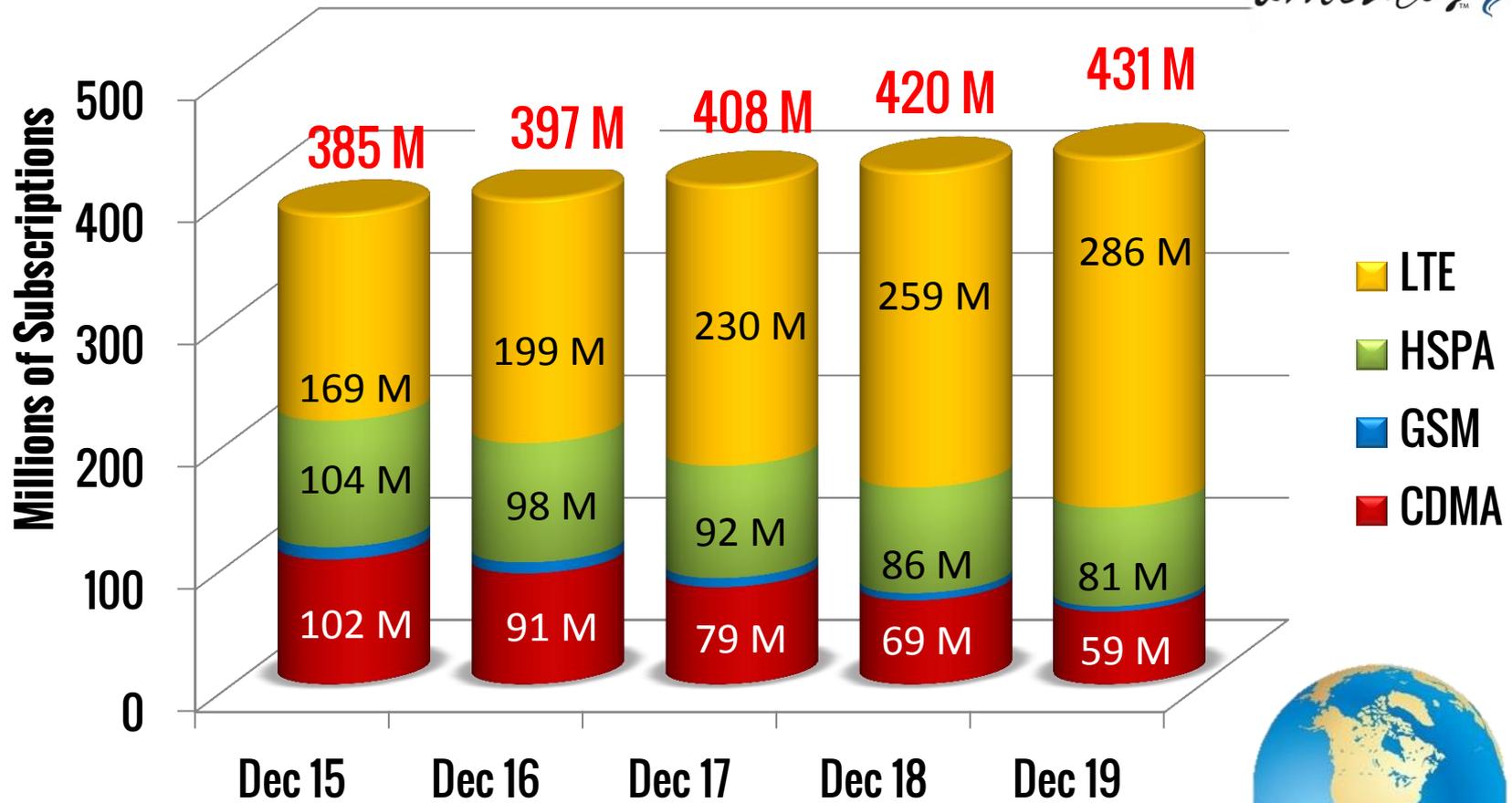
# USA / Canada Mobile Market Shares - 2014

**407 Million Subscriptions**



# USA / Canada Mobile Technology Forecast

2015 - 2019



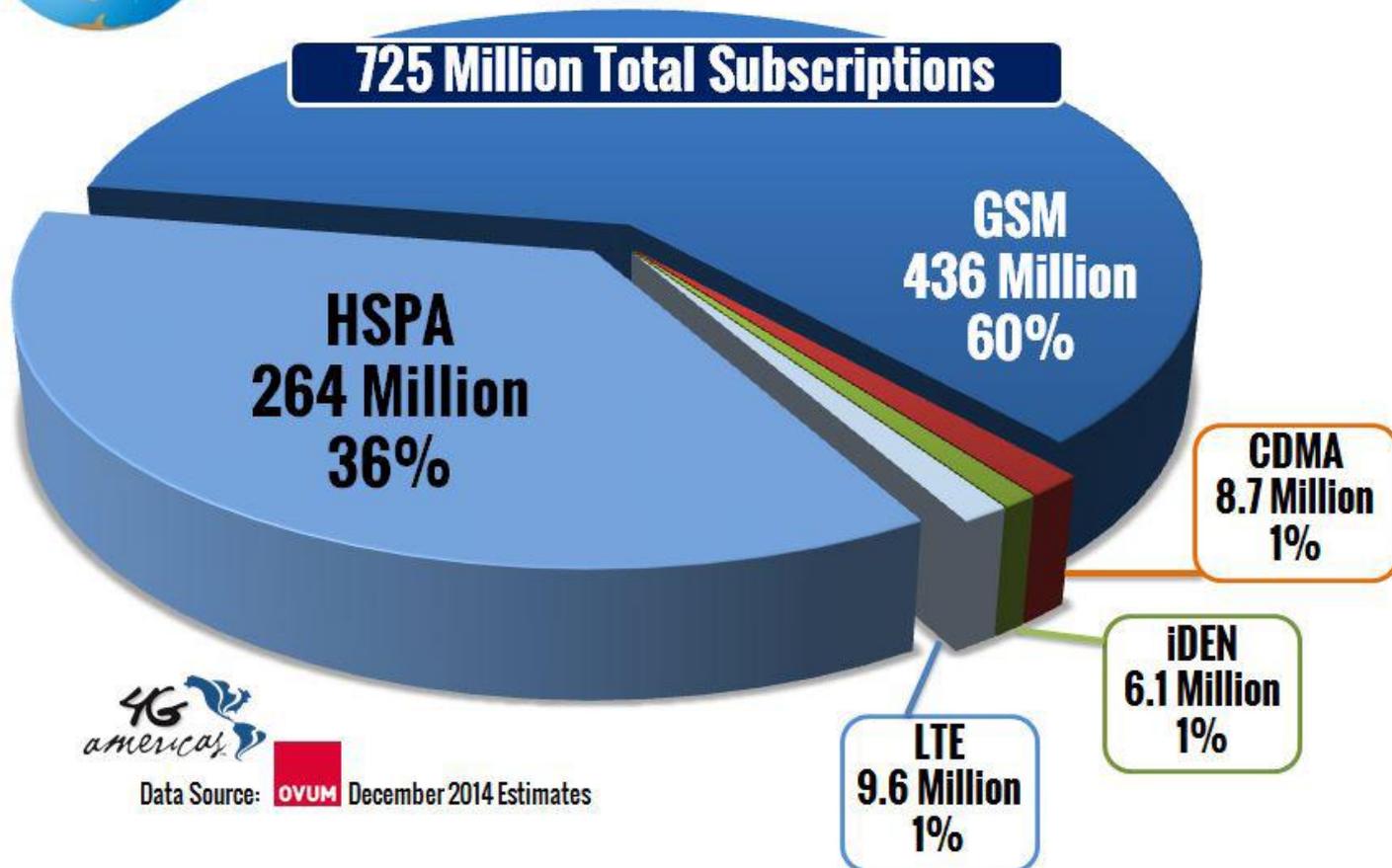
Data Source: **OVUM** December 2014 Estimates

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# Latin America Market Trends for 2015



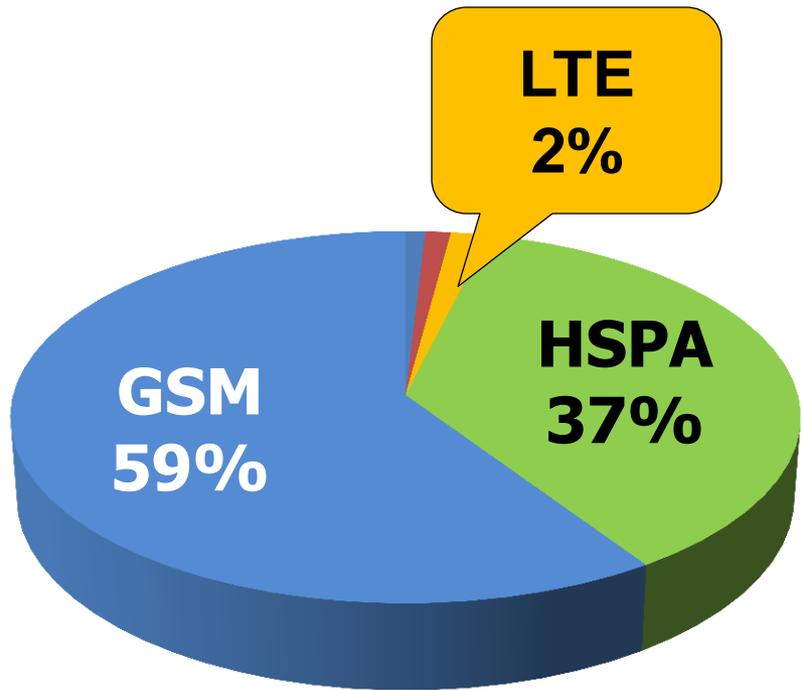
## Latin America & Caribbean Mobile Subscribers and Market Shares December 2014



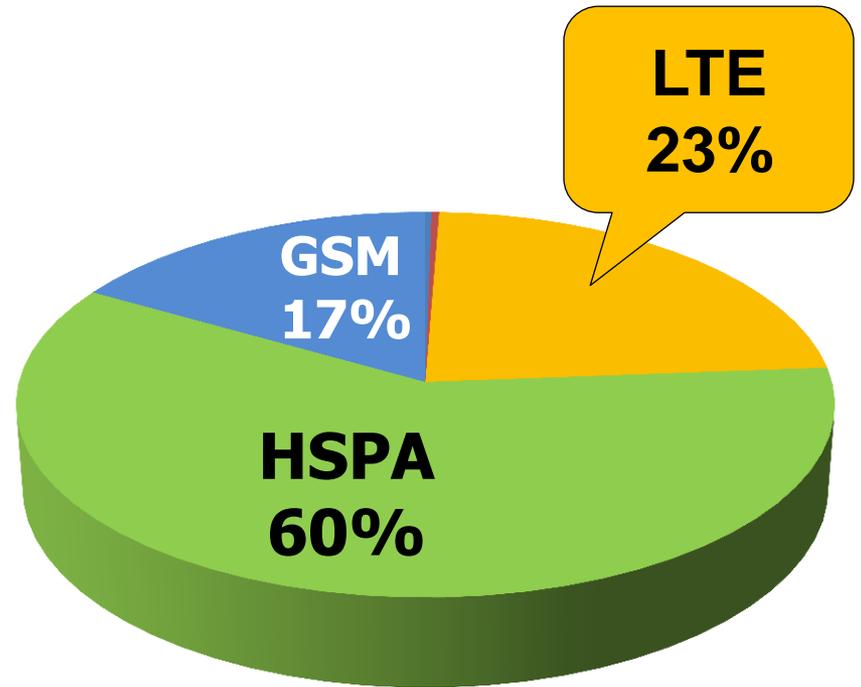
Data Source: **OVUM** December 2014 Estimates



# Latin America & Caribbean Mobile Technology

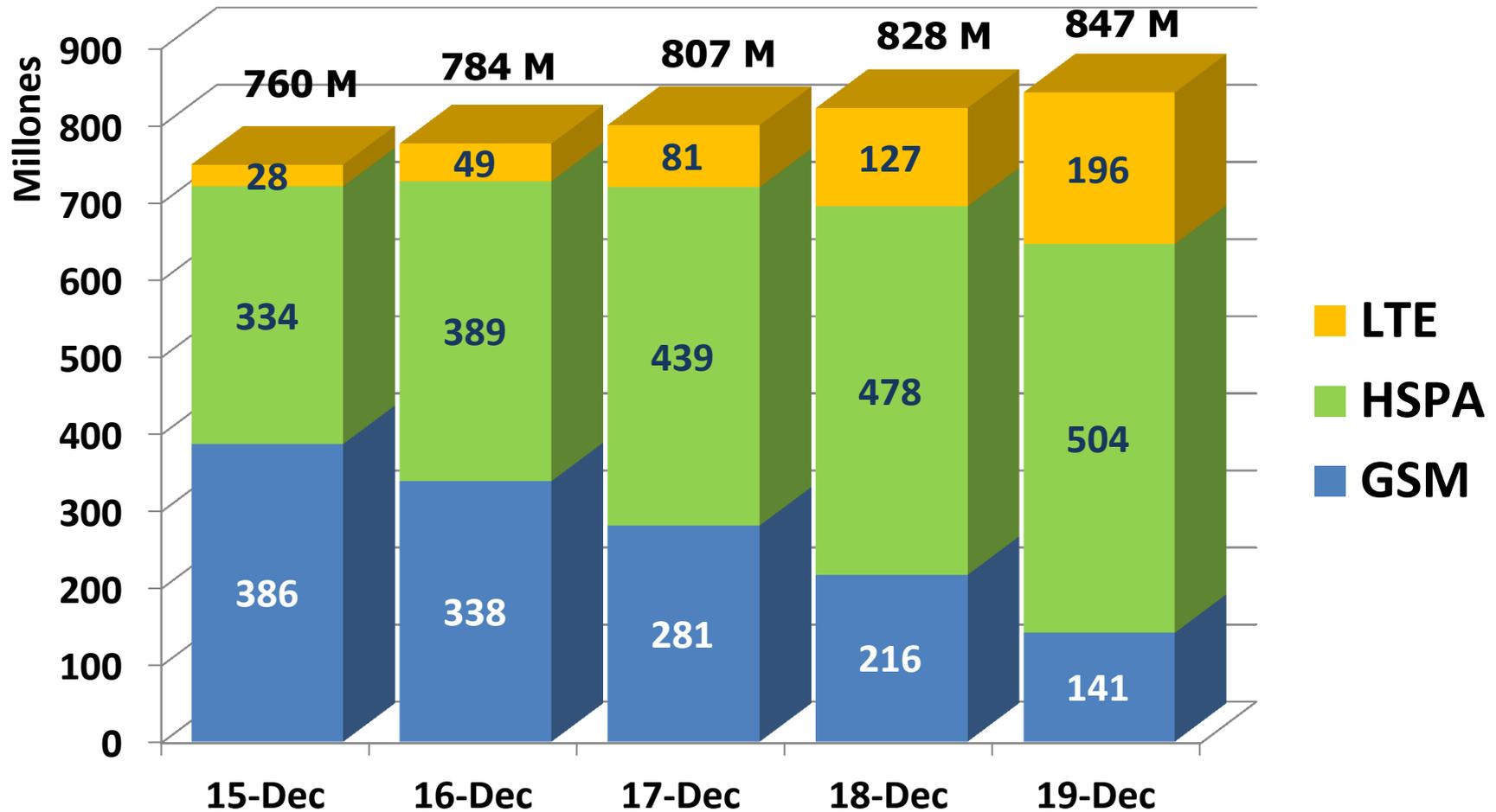


**2014**

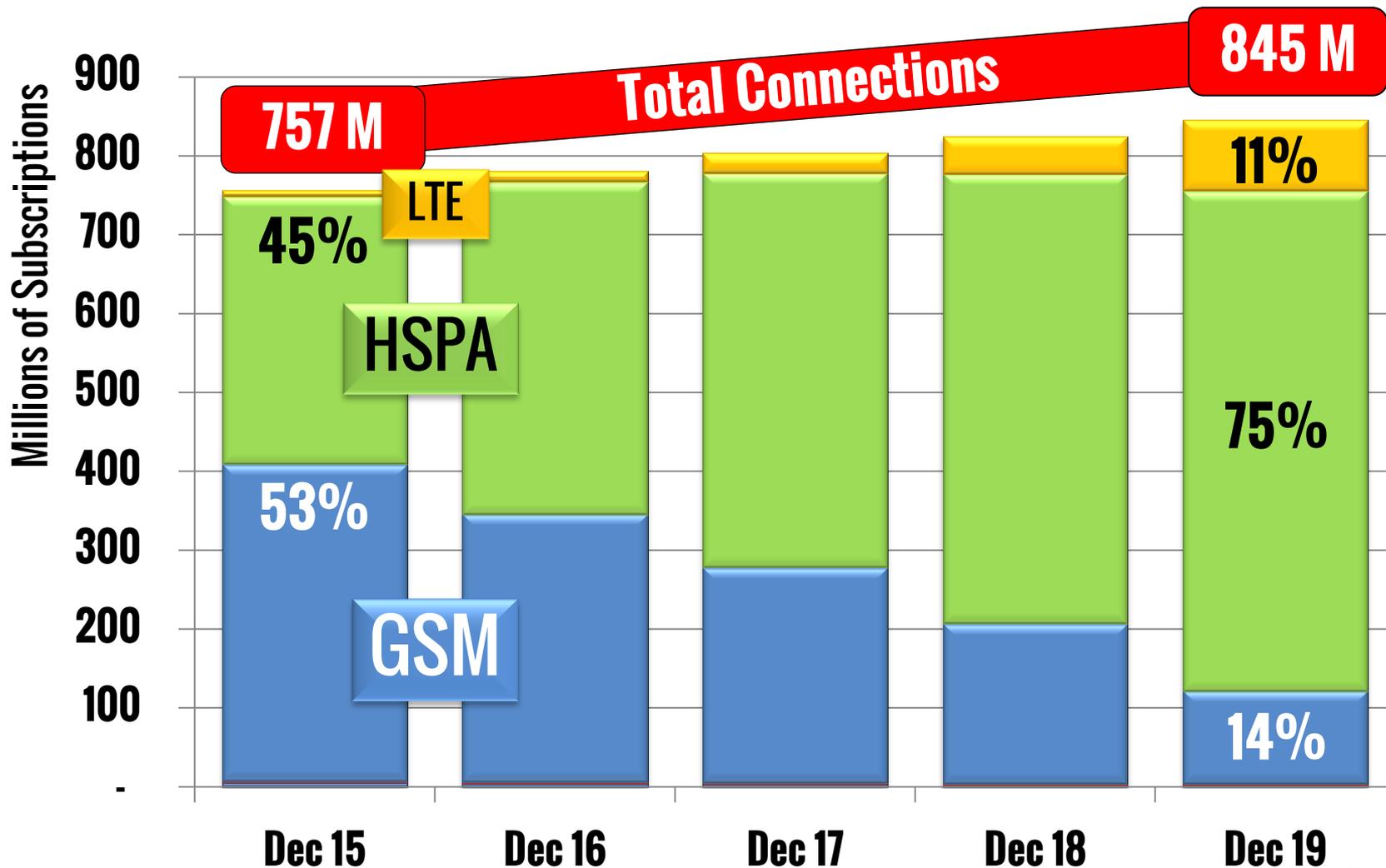


**2019**

# Latin America & Caribbean Mobile Technology Forecast 2015-2019



# Latin American Mobile Technology Forecast 2015-2019





# Regulatory Policy

# Recent Regulatory Issues in the Americas



- **Spectrum regulation clarity in the Americas**
- **Net Neutrality impact in the Americas**
- **TV Broadcast Spectrum Incentive Auction in U.S.**
- **3550-3700 MHz Spectrum in the U.S.**
- **Heightened Wireless Regulations in Latin America**
- **Taxation on mobile services in Latin America & Caribbean**
- **Spectrum policy, planning and harmonization in North, Central and South America**



# SPECTRUM SCARCITY

**1300 MHz of total spectrum allocation has been recommended by ITU for 2015;**  
**3 markets in Latin America are between 30-40% of this goal, and the rest fall below 30%.**



# 4G Americas Resources



# Latin America Program

## Director of Latin America & Caribbean



**José Otero**  
Director, Latin  
America & Caribbean

[Jose.otero@4gamericas.org](mailto:Jose.otero@4gamericas.org)

### Jose Otero Named as 4G Americas Director of Latin America and Caribbean

October 06 2014

**BELLEVUE, Wash.** – 4G Americas announced today that Jose Felipe Otero Muñoz, who is well known for his knowledge about the mobile technology industry throughout Latin America and the Caribbean, will be the association's new Director of Latin America and the Caribbean. In his role, Mr. Otero will utilize his broad experience to contribute to the successful development of LTE throughout the region by working with key stakeholders which include mobile operators, vendors, regulators, telecommunications organizations, media and analysts. Mr. Otero's first appearance in the region in this new role will be as a keynote presenter and moderator at Futurecom.

"4G Americas is proud to introduce Jose Otero in a leadership role in the Latin America region to advocate for the development of 3GPP mobile broadband technologies," stated the association's President, Chris Pearson. "We have had the opportunity to work with Mr. Otero over the years and we are pleased that he will bring his vast experience and analysis in the industry's regulatory and technology arenas to help further develop advanced wireless services for the emerging connected society in Latin America and the Caribbean."

Prior to joining 4G Americas, [Jose Otero](#) was President of Signals Telecom Group and its three divisions for research, news and publishing. Mr. Otero founded the company ten years ago and resigned from his role on September 19, 2014. With primary focus on the Latin region, he authored hundreds of reports with more than half of them centering on wireless technologies, their adoption, and how they can be used to promote development in the region. In addition, institutions such as the World Bank, Inter-American Telecommunications Commission (CITEL), Inter-American Development Bank, the White House and U.S. Department of Commerce have sought out collaboration with Mr. Otero. He is widely published and quoted with references in many top tier media sources in the Americas.

Mr. Otero is a frequent speaker at mobile industry events and will be providing his first keynote presentation as Director of Latin America and the Caribbean for 4G Americas on the topic, *Mobile Broadband in Latin America*, with Vicki Livingston, Head of Communications for the same association, at the [4G Americas Wireless Technology Summit](#) at [Futurecom](#) in São Paulo, Brazil on Monday, October 13<sup>th</sup>. The Summit is free to all attendees of Futurecom and will feature other leaders in the industry discussion of the future of LTE and beyond.



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## LTE and LTE-Advanced Deployments

Get the latest data on LTE and LTE-Advanced network deployments in the Americas

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If a Billion LTE

Announce Memorandum

2 March 2015

The Good Gets Better: LTE Mobile Broadband

### Featured

Videos

Check out our NEW video interviews straight from Mobile World Congress 2015 [here!](#)

Upcoming Event



NGMN Industry Conference & Exhibition 2015  
24 - 25 March 2015  
Kap Europa, Frankfurt, Germany

NGMN Industry Conference & Exhibition 2015

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**4G Americas** @4GAmericas  
4G Americas- Jose Otero, Director of Latin America  
<http://t.co/tL7j8YL22n>  
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**4G Americas** @4GAmericas  
Caroline Gabriel @RethinkWireless gives overview of alliances doing #5G work & highlights @4GAmericas MoU w/@5GPPP  
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Unifying the Americas through Mobile Broadband Technology

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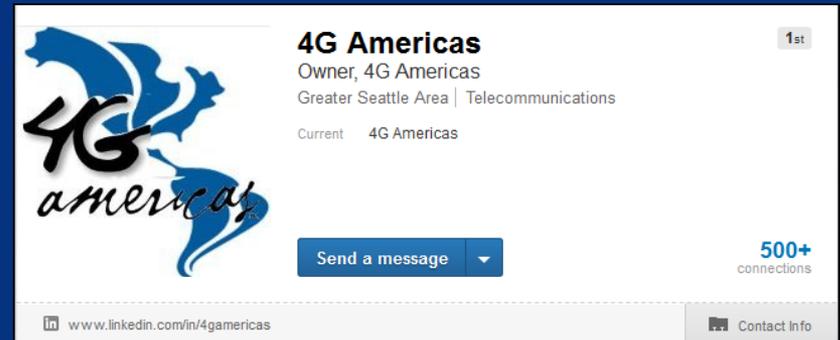
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Organization  
4G Americas unites mobile operators and vendors in the Americas to provide a single voice representing HSPA and LTE mobile broadband technologies.

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4G Americas unites mobile operators and vendors in the Americas to provide a single voice representing HSPA and LTE mobile broadband technologies.

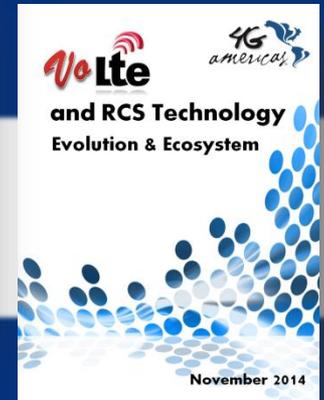
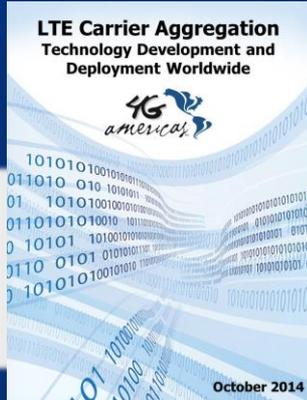
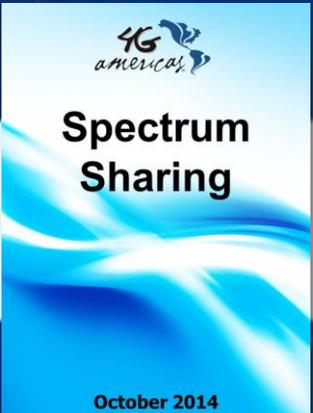
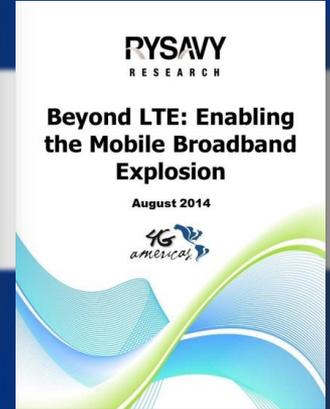
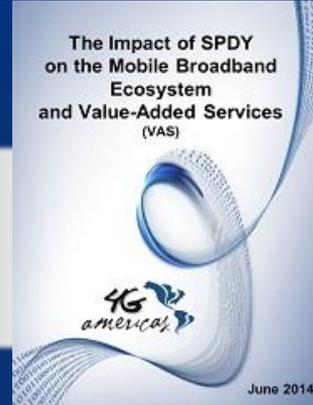
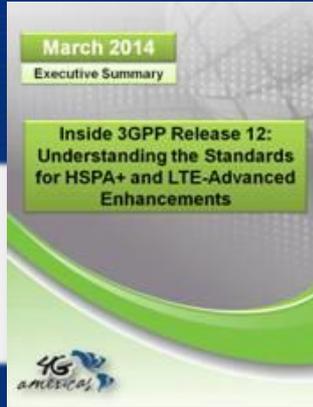
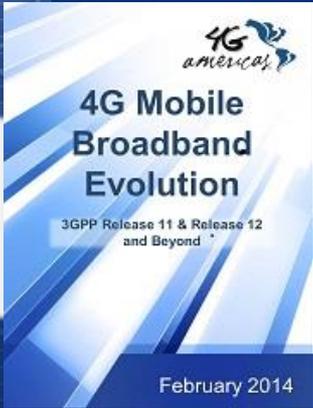
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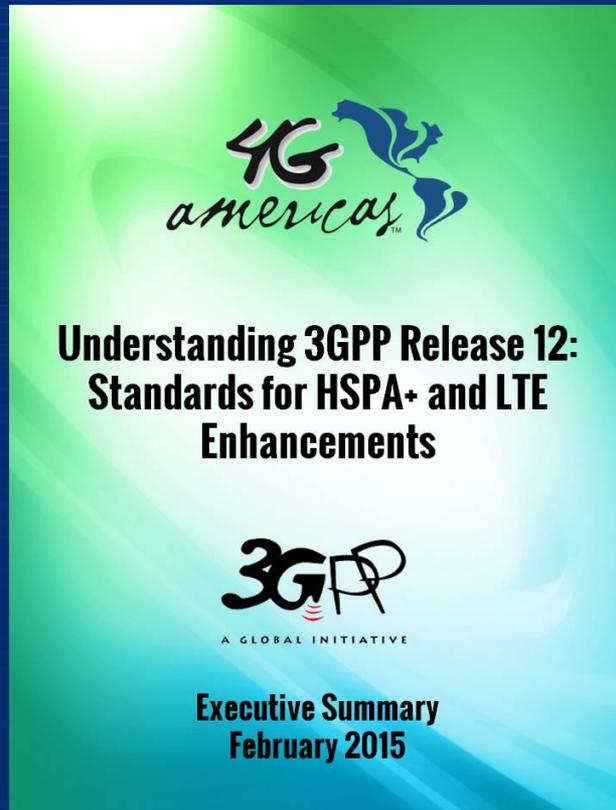


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# 4G Americas Technical Recommendations & White Papers 2014



# Published White Paper 2015



**Updated executive summary explaining Release 12 standards and major features and enhancements of HSPA+, LTE and MTC**

**Published February 11, 2015**

# Thank you!



***Chris Pearson, President***

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