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**Boucle locale radio**  
**Etat des lieux et perspectives d'utilisation et de développement**  
**WiMAX Forum® Response**

The WiMAX Forum®<sup>1</sup> welcomes the opportunity to provide its views and comments concerning the public consultation document identified above.

The WiMAX Forum is an industry-led, not-for-profit organisation formed to certify and promote the compatibility and interoperability of broadband wireless products based upon the harmonized IEEE 802.16/ETSI HiperMAN standard. A WiMAX Forum goal is to accelerate the introduction of these systems into the marketplace. WiMAX Forum Certified™ products are interoperable and support broadband fixed, portable and mobile services. Along these lines, the WiMAX Forum works closely with service providers and regulators to ensure that WiMAX Forum Certified systems meet customer and government requirements. For more information about the WiMAX Forum and its activities, please visit [www.WiMAXForum.org](http://www.WiMAXForum.org).

In Annex 1, the WiMAX Forum is pleased to submit a response to the consultation document.

Yours Sincerely

Jayne Stancavage  
WiMAX Forum  
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<sup>1</sup> "WiMAX," "Mobile WiMAX," "Fixed WiMAX," "WiMAX Forum," the WiMAX Forum logo, "WiMAX Forum Certified," and the WiMAX Forum Certified logo are trademarks of the WiMAX Forum.

## **Annex 1**

### **The WiMAX Forum Response:**

The WiMAX Forum only has a response to Question 3 :

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*La disponibilité industrielle, les coûts et les performances des technologies actuelles dans la bande 3,5 GHz permettent-elles de pleinement répondre aux besoins des opérateurs ? Quelles sont les évolutions technologiques possibles et à quel horizon calendaire ? Dans quelle mesure permettraient-elles d'améliorer la qualité de service offerte aux utilisateurs ?*

### **WiMAX Forum Response:**

Standardised WiMAX Forum Certified TDD technology has been utilized in successful 3.5 GHz broadband networks for more than five years. WiMAX technology delivers peak speeds of 40 Mbps in the downlink, and serves in many markets as a competitor for DSL, Cable and Satellite internet services. The WiMAX Forum has been certifying TDD WiMAX products to the most recent Release 1 profiles in this band since February of 2009. Earlier releases have been in the market since 2005.

Last year the IEEE finished its 802.16m standard, upon which WiMAX Release 2 will be based. WiMAX Release 2 certification is expected to commence in 2012. WiMAX Release 2 products will be software upgradeable from WiMAX Release 1, and WiMAX Release 2 products will also be backwards compatible with WiMAX Release 1. WiMAX Release 2 offers delivery speed improvements of up to 10 times over the current WiMAX Release 1.

In October 2010, UQ Communications and Samsung Electronics conducted a test of 802.16m technology and achieved downlink speeds in excess of 335Mbps. WiMAX Release 2 will greatly improve upon WiMAX Release 1's excellent performance.

The IEEE 802.16m standard also forms the basis for the IMT-Advanced WirelessMAN technology recently adopted for ITU-R standardisation creating the path for future standardized higher performance broadband wireless systems.