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Frequency Plan for the bands 2500–2690 and 2010-2025 MHz WiMAX Forum™ Response

The WiMAX Forum™¹ welcomes the opportunity to provide its views and comments concerning the issues for the 2.6GHz band identified in the above public consultation document.

The WiMAX Forum is an industry-led, non-profit corporation formed to promote and certify the compatibility and interoperability of broadband wireless products using the IEEE 802.16 and ETSI HiperMAN wireless MAN specifications. The WiMAX Forum's goal is to accelerate the introduction of these devices into the marketplace. WiMAX Forum Certified™ products will be fully interoperable and support Metropolitan Broadband Fixed, Portable and Mobile Applications. For more information about the WiMAX Forum and its activities, please visit www.WiMAXForum.org. WiMAX Forum™ and WiMAX Forum Certified™ are registered trademarks of the WiMAX Forum™.

The WiMAX Forum respectfully submits the comments in Annex 1 with regard to the consultation document identified above.

Yours Sincerely

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Annex 1

Frequency Plan for the bands 2500–2690 and 2010-2025 MHz

The WiMAX Forum supports the award of the 2500 – 2 690 MHz spectrum at the earliest opportunity. The WiMAX Forum considers this range of frequencies a key global band for mobile WiMAX.

The WiMAX Forum has no views on the 2010-2025MHz band.

Frequency Band Plan

The WiMAX Forum agrees that the flexibility for increased spectrum availability for TDD (unpaired) purposes would be suitable to support WiMAX equipment deployment and operation.

Reflecting the high interest in TDD systems, the WiMAX Forum has agreed equipment certification profiles for TDD equipment based on the IEEE 802.16e-2005 standard for the entire 2500-2690MHz frequency range (see Table 1).

SYSTEM PROFILES	CERTIFICATION PROFILES		
	Spectrum	Duplexing	Channel Width
Mobile WiMAX (IEEE 802.16e-2005, OFDMA)	2.496 - 2.690GHz	TDD	5, 10 MHz (dual)

Table 1

Principle for protection of neighbouring frequency blocks

The WiMAX Forum notes that the NPT has yet to finalise the detail of the measures for neighbouring frequency block protection but in the meantime would like to highlight a published WiMAX Forum whitepaper “Service Recommendations to Support Technology Neutral Allocations FDD/TDD Coexistence” available through the WiMAX Forum web site home page at <http://www.wimaxforum.org/home> (no log-in or registration required). The WiMAX Forum would be pleased to participate in future dialogue on this matter.

Spectrum Cap

Question 1: should there be a spectrum cap in this auction? If so, how should this spectrum cap be defined?

The WiMAX Forum has no comment on this issue.

Auction Principle

The WiMAX Forum has no comments on the detailed award or particular auction process that the NPT proposes. However, we note that it appears to be flexible and suitable to support WiMAX as well as many other technologies that could require various

amounts of paired or unpaired spectrum (depending on many factors including the operators' business cases, technology choice and particular network design).