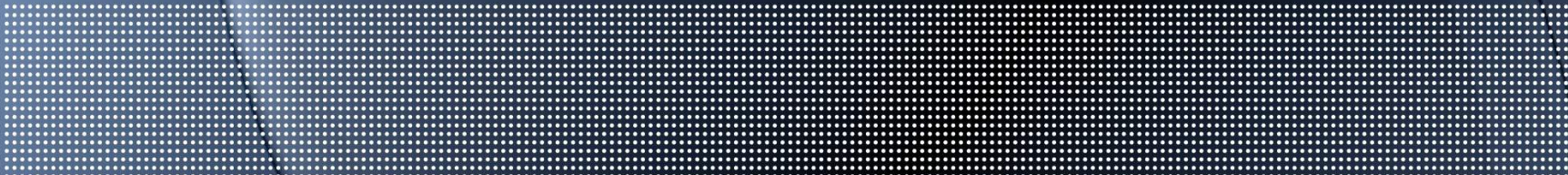


WiMAX and the Regulatory context



Mobile WiMAX: Towards Ubiquitous Internet - Final Workshop

ISCTE

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27.09.07

Anacom is :

- Anacom is the Portuguese regulatory body for electronic communications
- Anacom is the Agency that manages the spectrum in Portugal
- Anacom is ...

Anacom should :

- Anacom should promote competition in the provision of electronic communications networks ...
- ... and stimulate efficient use and to ensure the effective management of radio frequencies

Anacom sees WiMAX as:

- WiMAX as part of BWA
- WiMAX as an opportunity to increase the level of competition in the market in general and – if the technology proves – in the mobile area in particular

What is Anacom's role:

- Anacom has a role to play:
 - 1 • to assure that the appropriate frequencies are available
 - 2 • to allocate it properly and in time
 - 3 • to create the right entry conditions for newcomers

Spectrum :

Band	Quantity	Neutrality	Access	Restrictions
5725-5875 MHz	all	Yes !	Full access	nomadic
3400-3600 MHz	2 x 2x28 MHz		Auction	No !
3600-3800 MHz	2 x 2x28 MHz			

subject to
confirmation

see next ...

Why an auction ?

- Auction as a tool to:
 - 1 • Assure transparency
 - 2 • Minimize interference in operators business plans
 - 3 • Find the real spectrum economical value
 - 4 • Assure appropriate entry conditions for newcomers

How?

subject to
confirmation

- To be launched beginning 2008 in **two phases**
- In first phase, access will be denied to:
 - 1 • holders of frequencies in the 3400-3800 MHz
 - 2 • holders of significant dominant position (wholesale broadband market)
 - 3 • mobile operators
- Second phase to be implemented (with no restrictions) if spectrum is available

How? (cont.)

- Restrictions to spectrum trade, during a certain amount of time (to be defined)
- Holders of 3400-3600 MHz rights should respect a period of guard to use spectrum for BWA (to be defined)

hope you bid!

Thanks