WiMAX and the Regulatory context

Mobile WiMAX: Towards Ubiquitous Internet - Final Workshop

ISCTE

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• Anacom is the Portuguese **regulatory body** for electronic communications

• Anacom is the Agency that **manages the spectrum** in Portugal

• Anacom is …
• Anacom should **promote competition** in the provision of electronic communications networks …

• … and stimulate **efficient** use and to ensure the **effective** management of radio frequencies
• 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
Anacom has a **role to play**:

- to assure that the appropriate frequencies are available
- that are allocated properly and in time
- to create the right entry conditions for newcomers
<table>
<thead>
<tr>
<th>Band</th>
<th>Quantity</th>
<th>Neutrality</th>
<th>Access</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>5725-5875 MHz</td>
<td>all</td>
<td>Yes</td>
<td>Full access</td>
<td>nomadic</td>
</tr>
<tr>
<td>3400-3600 MHz</td>
<td>2 x 2x28 mHz</td>
<td></td>
<td>Auction</td>
<td>No</td>
</tr>
<tr>
<td>3600-3800 MHz</td>
<td>2 x 2x28 mHz</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
• Auction as a **tool** to:
  
  • Assure transparency
  • Minimize interference in operators business plans
  • Find the real spectrum economical value
  • Assure entry conditions for newcomers
• To be launched beginning **2008**, in **two phases**
• In **first phase**, access will be denied to:
  • holders of frequencies in the 3400-3800 MHz
  • holders of significant dominant position (wholesale broadband market)
  • mobile operators
• **Second phase** to be implemented (with no restrictions) if spectrum is available
• Restrictions to spectrum trade, during a certain amount of time

• Holders of 3400-3600 MHz rights should respect a period of guard to use spectrum for BWA