Developments in the ICT Sector

Trends in Telecommunication Reform 2004-2005

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Telecommunication Development Bureau (BDT)

Revenues from public switched telephone, cellular mobile and other telecommunication networks worldwide, 1993-2003 and 2003, in current USD billions

Global service revenue trends, in current US$ billions

Source: ITU World Telecommunication Indicators Database
International Telecommunication Union

ICT Users Worldwide 1991-mid 2004

Phone and Internet Users World, Millions

Source: ITU World Telecommunication Indicators Database

Cellular mobile users mid-2004 and mobile users added 2000-mid 2004; number of Internet users 2003, and new Internet users added, 2000-2003

Source: ITU World Telecommunication Indicators Database
102 million broadband subscribers by end 2003

**Broadband subscribers worldwide, million**

<table>
<thead>
<tr>
<th>Year</th>
<th>1998</th>
<th>1999</th>
<th>2000</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subscribers (millions)</td>
<td>0.56</td>
<td>1.25</td>
<td>3.96</td>
<td>7.33</td>
<td>11.2</td>
<td>15.3</td>
</tr>
</tbody>
</table>

**Source:** ITU Internet Reports 2004 “The Portable Internet”

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**Trends in international voice traffic on public switched telephone networks (PSTN) and Voice over IP (VoIP) 1997-2003**

<table>
<thead>
<tr>
<th>Year</th>
<th>Revenue (US$bn)</th>
<th>Price per minute (US cents)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997</td>
<td>68</td>
<td>63</td>
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<td>1998</td>
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<td>1999</td>
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<td>2000</td>
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<td>2001</td>
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<td>2002</td>
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<td>2003</td>
<td>33</td>
<td>33</td>
</tr>
</tbody>
</table>
The legal status of competition in different *global* telecommunication market segments in 2004

Source: ITU World Telecommunication Regulatory Database

Ownership Status of the Incumbent Operator

from 1991 to 2004

partly or fully private incumbent operators, 2004

Source: ITU World Telecommunication Regulatory Database
International Telecommunication Union

Trends: National Regulatory Authorities Worldwide and Percentage per Region

Source: ITU World Telecommunication Regulatory Database.

Other Regulatory Trends

- Freeing spectrum for use by ever growing numbers of wireless devices
- Authorizing greater use of VoIP
- Considering regulation of VoIP
- Combating Spam
Spam Growth

Spam as a percentage of all email worldwide (MessageLabs)

Spam as a percentage of all email worldwide (Brightmail)

Chapter 1: DEVELOPMENTS IN THE ICT SECTOR
Chapter 2: WHY LICENSE?
Chapter 3: OPTIONS FOR TELECOMMUNICATION LICENSING
Chapter 4: LICENCE FEE PRACTICES: HISTORICAL PERSPECTIVES AND NEW TRENDS
Chapter 5: LICENSING APPROACHES IN AN ERA OF CONVERGENCE
Chapter 6: CONVERGENCE AND SPECTRUM LICENSING
Chapter 7: TRANSITIONING REGULATION FROM OLD TO NEW
Chapter 8: A NEW ERA IN LICENSING

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