Overview of Pakistan Telecom Sector, Initiatives and challenges
• Pakistan is connected with six (06) submarine cables with a total designed capacity of 150.5 Tbps.
  – Trans-World Associates 1 (TWA1)
  – South East Asia–Middle East–Western Europe 3 (SEA-ME-WE 3)
  – South East Asia–Middle East–Western Europe 4 (SEA-ME-WE 4)
  – South East Asia–Middle East–Western Europe 5 (SEA-ME-WE 5)
  – India-Middle East-Western Europe (I-ME-WE)
  – Asia-Africa-Europe (AAE)
• Cable Landing Stations: 3
• OFC networks for the national capacity- 83,083 Km
• Total Access Network in Pakistan including metro and spur fiber – 230,500 km.
Teledensity

Drop is due to Launch of Biometric Verification System (BVS)

* Drop is due to Launch of Biometric Verification System (BVS)
Cellular Mobile Subscribers

Pakistan Telecommunication Authority

Million Subscribers

<table>
<thead>
<tr>
<th>Year</th>
<th>Subscribers (Million)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-07</td>
<td>63.2</td>
</tr>
<tr>
<td>2007-08</td>
<td>88.0</td>
</tr>
<tr>
<td>2008-09</td>
<td>94.3</td>
</tr>
<tr>
<td>2009-10</td>
<td>99.2</td>
</tr>
<tr>
<td>2010-11</td>
<td>108.9</td>
</tr>
<tr>
<td>2011-12</td>
<td>120.2</td>
</tr>
<tr>
<td>2012-13</td>
<td>127.7</td>
</tr>
<tr>
<td>2013-14</td>
<td>140.0</td>
</tr>
<tr>
<td>2014-15</td>
<td>114.7</td>
</tr>
<tr>
<td>2015-16</td>
<td>133.2</td>
</tr>
<tr>
<td>2016-17</td>
<td>139.8</td>
</tr>
<tr>
<td>2017-18</td>
<td>150.2</td>
</tr>
<tr>
<td>Jul-19</td>
<td>161.0</td>
</tr>
</tbody>
</table>
Key Initiatives

• (AMA) Asaan Mobile Accounts
  - Will help to bring huge unbanked population in banking channel
  - Third Party Service Providers Licensing and facilitation for National Financial Inclusion Strategy (2)

• Steps towards Local Manufacturing & Assembling of Mobile Handsets.
  - PTA type approval holder companies have set up 16 local assembly mobile handsets plants in Pakistan.
  - Created more than 3500 jobs
Key Initiatives

• **Device Identification, Registration and Blocking System (DIRBS)**
  - System detects the substandard, fake, stolen and illegal imported mobile phones.
  - Helps to stop import of illegal mobile handsets import, raise tax revenue and controls mobile phone snatching.

• **Test and Trial Framework for 5G and Advanced Technology**

• **National Roaming-** Quick role out of services and provision of universal service.

• **Spam Regulations-** to control unsolicited, Misleading fraudulent messages

• **Shifting of BTSs on Solar Energy-** Help in reducing the operational cost

• **Internet Exchange Point (IXP) (Islamabad, Karachi)**
Key Challenges

• Need of Establishment of Telecom Tribunal
  ➢ Licensees challenges the decisions, determinations, orders of the regulator and even regulations in the court of law.
  ➢ Nature of telecom cases are time bound need quick decisions.
  ➢ Delay for justice in court of Law due to heavy influx of other cases.
  ➢ Renewal of Mobile licenses and example

• Right of Way Issues
  ➢ Procedural delays, inaccessibility to certain geographical areas, rise in cost of doing business and demand of revenue sharing are major obstacles for expanding OFC and other telecom infrastructure.
  ➢ Will be more pronounced with deployment of small cells.

• Social Media Management
  ➢ Social Media like Facebook, twitter, whatsapp, utube etc-significant part of everyday communication.
  ➢ Controlling the misuse of social media is a big challenge
  ➢ Big threat to cultural and religious fabric of country.
Thank you