Partnering with Utilities to Power Smart Grid Networks
40+ MVNO Relationships

- UQ Communications operates on a wholesale model, supporting many partners across Japan
- Currently mid-trial with Kyushu Electric Power Company (7.6 million smart meters)
- Proposed plan to support Tokyo Electric Power Company (26.7 million smart meters)
Electric Power Companies in Japan

Total number of consumer market: 76.3 M

- Tokyo Electric Power Company: 26.7 M
- Kyushu Electric Power Company: 7.6 M

Copyright 2013 WiMAX Forum. All rights reserved
## Kyushu Electric Power Company WiMAX Smart Meter

- Announced that WiMAX will be used if field test is successful
- About 7 Million meters for 10 years deployment
- 2013～2015: about 0.3M meters/year
- 2016～: about 0.8M meters/year

### Timeline

<table>
<thead>
<tr>
<th>FY April-March</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Q</td>
<td>Test</td>
<td>Test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2Q</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3Q</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4Q</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WiMAX Field Trial**
- Field Test by module 500 units
- Field Test by SM 100 units
- Field Test 1000 units

**Commercial Deployment**
- Study
- Initial NW deployment
- ★ S-in
- Commercial Service

Copyright 2013 WiMAX Forum. All rights reserved
Kyushu Electric Power Company WiMAX Smart Meter

WiMAX Smart Meter field trial
- UQ WiMAX NW and certified modules
- Residential area test
- Urban apartment test
- Indoor testing

WiMAX testing in an actual meter box
WiMAX module is mounted on a conventional meter, which is not a WiMAX embedded smart meter.

WiMAX embedded Smart Meter developed by KDDI
- certified model different to the Kyushu field trial
- apply to TEPCO POC test