CASE STUDY: FCC TELECOMMUNICATIONS EQUIPMENT APPROVALS

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Three general categories of equipment requiring authorization:

- **Radio Transmitters**
  - Licensed radio service equipment

- **Unlicensed Equipment (Part 15)**
  - Incidental Radiators
  - Unintentional Radiators
  - Intentional Radiators

- **Telephone Terminal Equipment (Part 68)**
  - Administrative Council for Terminal Attachments (ACTA)
The product approval requirement is specified in the rule part under which equipment operates.

- Not all equipment requires FCC approval or FCC authorization; products are still required to meet specified standards.

The FCC currently has two equipment approval programs:

- Supplier Declaration of Conformity (SDoC)
- Certification
MUTUAL RECOGNITION AGREEMENTS (MRAS)

Purpose of MRA -- To facilitate trade by allowing Conformity Assessment Bodies (CAB) in one country to test (Phase I) and/or certify (Phase II) products to the Technical Regulations of another country.
### FCC Recognized Accredited Testing Laboratories/MRA Phase I

<table>
<thead>
<tr>
<th>Region</th>
<th>Accredited Labs</th>
</tr>
</thead>
<tbody>
<tr>
<td>North America</td>
<td>136</td>
</tr>
<tr>
<td>Europe</td>
<td>74</td>
</tr>
<tr>
<td>Asia</td>
<td>330</td>
</tr>
<tr>
<td>Middle East</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>546</strong></td>
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TCB PROGRAM – A SUCCESS STORY!

- Allows very fast approval of equipment authorization while allowing OET staff to focus on more challenging issues
  - For new technologies where there are developing issues, stakeholders consult with OET to address complexities in equipment authorization.
  - TCBs work with OET to receive necessary guidance for consistent application of the FCC rules and oversight of approval for new technologies.
  - Allows for ongoing training and consultation with TCBs, testing laboratories, and telecom industry.
  - Market competition ensures flexibility for industry.
FCC RECOGNITION OF CERTIFICATION BODIES LOCATED IN THE UNITED STATES

FCC Equipment Authorization Program

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Phase II (mutual acceptance of approvals) is operational with the following:

- Canada
- European Union
- Hong Kong, China
- Singapore
- Japan

A total of 39 Telecommunication Certification Bodies (TCBs) have been recognized by the FCC.

- 21 domestic TCBs
- 18 foreign TCBs (EU-13, Canada-2, Singapore-1, Japan-1, Hong Kong-1)
EQUIPMENT AUTHORIZATION CERTIFICATION TRENDS (1999 – 2017)
Questions?