

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)



TELECOMMUNICATIONS EQUIPMENT

- ▶ 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

EQUIPMENT AUTHORIZATION PROGRAM



MUTUAL RECOGNITION AGREEMENTS (MRAS)

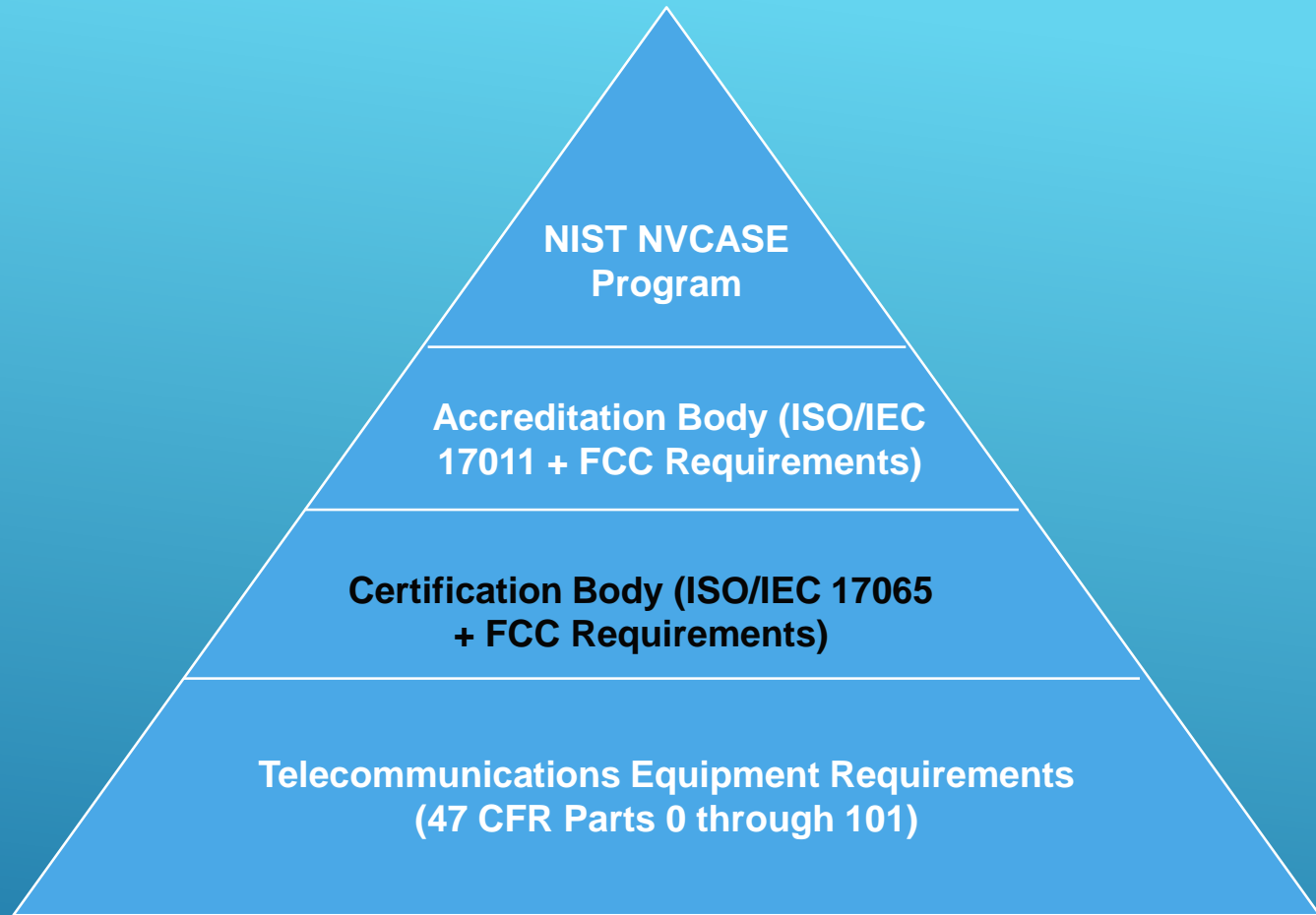
Purpose of MRA -- To facilitate trade by allowing Conformity Assessment Bodies (CAB) in one country to test (Phase I) and/or certify (Phase II) products to the Technical Regulations of another country.

Region	Accredited Labs
North America	136
Europe	74
Asia	330
Middle East	6
Total	546

FCC RECOGNIZED ACCREDITED TESTING LABORATORIES/MRA PHASE I

- ▶ 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.

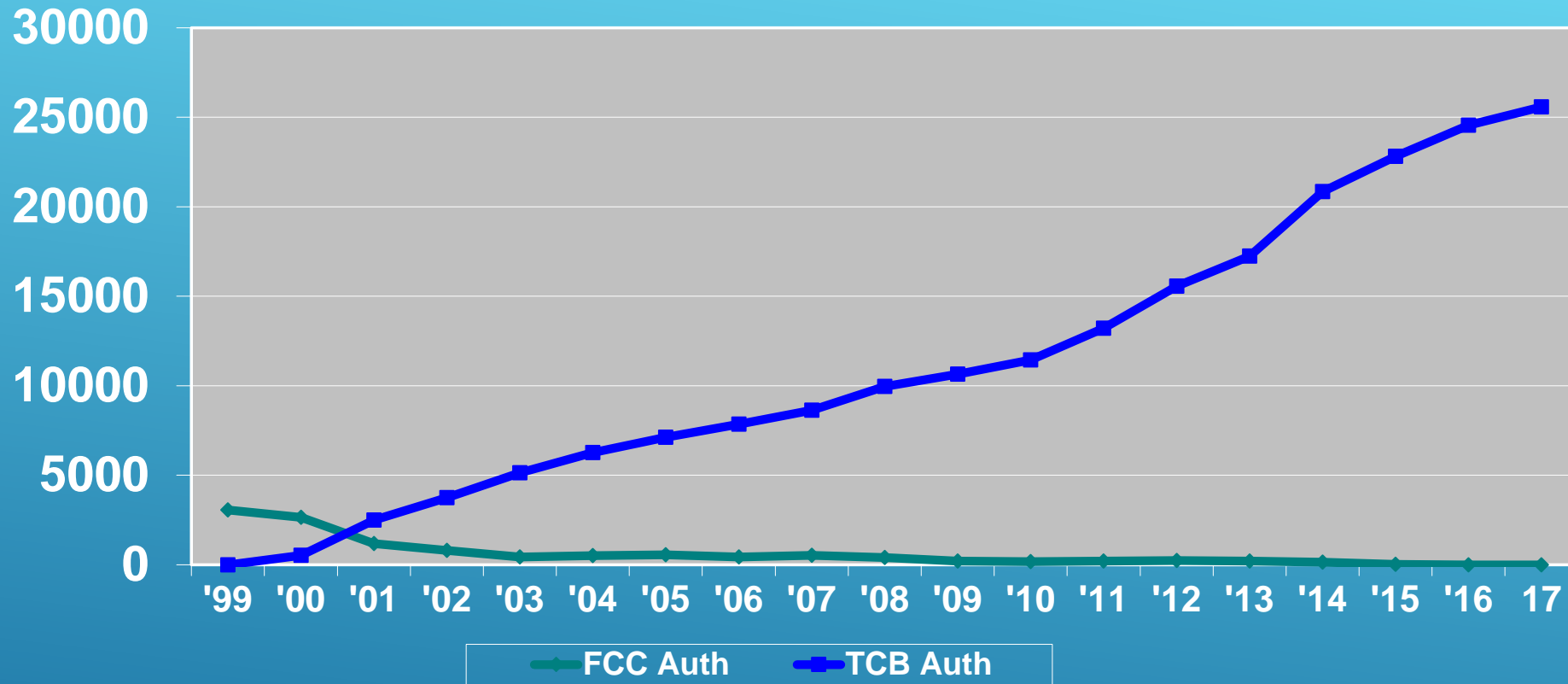
TCB PROGRAM – A SUCCESS STORY!



FCC RECOGNITION OF CERTIFICATION BODIES LOCATED IN THE UNITED STATES

- ▶ 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)

MRA STATUS – PHASE II



EQUIPMENT AUTHORIZATION CERTIFICATION TRENDS (1999 – 2017)

Questions?