Session 6
C&I in China
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Course Objectives:

• To learn more about C&I
• To think more about C&I
• To seek more about C&I
Agenda:

- Perception of C&I from China
- Development of C&I in China
- Capability of C&I from CAICT
Conformity assessment is the evaluation of products, processes or services to determine the extent to which assurance may be given that they fulfill specified requirements.

Conformity assessment may take the form of:
- Sampling, testing and inspection
- Evaluation, verification and assurances of conformity
- Registration, accreditation and approval
- Combination of the above
Why should do CA?

- A conformity assessment system is not necessary or desirable for all countries.

- Only in cases where there is a real concern of products causing a problem to the public is conformity assessment justified.

- But conformity assessment systems are expensive in terms of delays to the market, costs and resources to all stakeholder.
How to implement CA?

1. Regulation
2. Scheme/Procedure
3. Standards
4. Conformity Assessment
5. Test Lab
6. Certification Body
7. Accreditation Body

Standards:
- ISO/IEC 17025
- ISO/IEC Guide 65

Participation:
- 1st Party
- 2nd Party
- 3rd Party

Accreditation:
- ISO/IEC 17011
No one perfect approach
• Type of product
• Perceived risk of non-compliance

Approaches differ among economies

Multiple approaches within each economy, especially when there is more than one Regulatory Authority
Development in China

None

- Governmental
- Regulation
- Requirement

SDoC

Industrial Supervision

Governmental Compulsory Supervision
Compulsory CA in China

- Radio Type Approval (1993)
  - Spectrum resources

- Network Access License (2000)
  - Information, network, interconnection

- China Compulsory Certification (2003)
  - Harm to users
Some Non-mandatory CA in China

- TLC Voluntary Certification
- China Voluntary RoHS Certification
- TAF Security Capacity Assessment
- Data Center Alliance Certification
- Operator Verification
C&I Capabilities of CAICT

- ICT Product testing & certification
- ICT interoperability
- Telecom instrument metrology
- Certification of management systems
International Cooperation of CAICT

- Secretariat of China to implement APEC TEL MRA
- Observer of RTTE CA
- Member of ITU, IEEE, 3GPP, 3GPP2, ISO/IEC, ANSI etc.
- Partnership with ETC, BABT, NEMKO, TUV, UL, SGS etc.
International Authorization of CAICT
1. While telecom is global and evolving at a rapid pace, telecom equipment and services are widely recognized as vitally important to all economies. (True /False)

2. A conformity assessment system is not necessary or desirable for all countries, only in cases where there is a real concern of products causing a problem to the public is conformity assessment justified. (True /False)

3. Conformity assessment approaches differ among counties, multiple approaches within a country especially when there is more than one regulatory authority. (True /False)
4. Conformity assessment is the evaluation of products, processes or services to determine the extent to which assurance may be given that they fulfill specified requirements. (True /False)

5. Conformity assessment may take the form of
   A. Sampling, testing and inspection
   B. Evaluation, verification and assurances of conformity
   C. Registration, accreditation and approval
   D. Combination of the above
   (Multiple-choice)
Thanks!

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