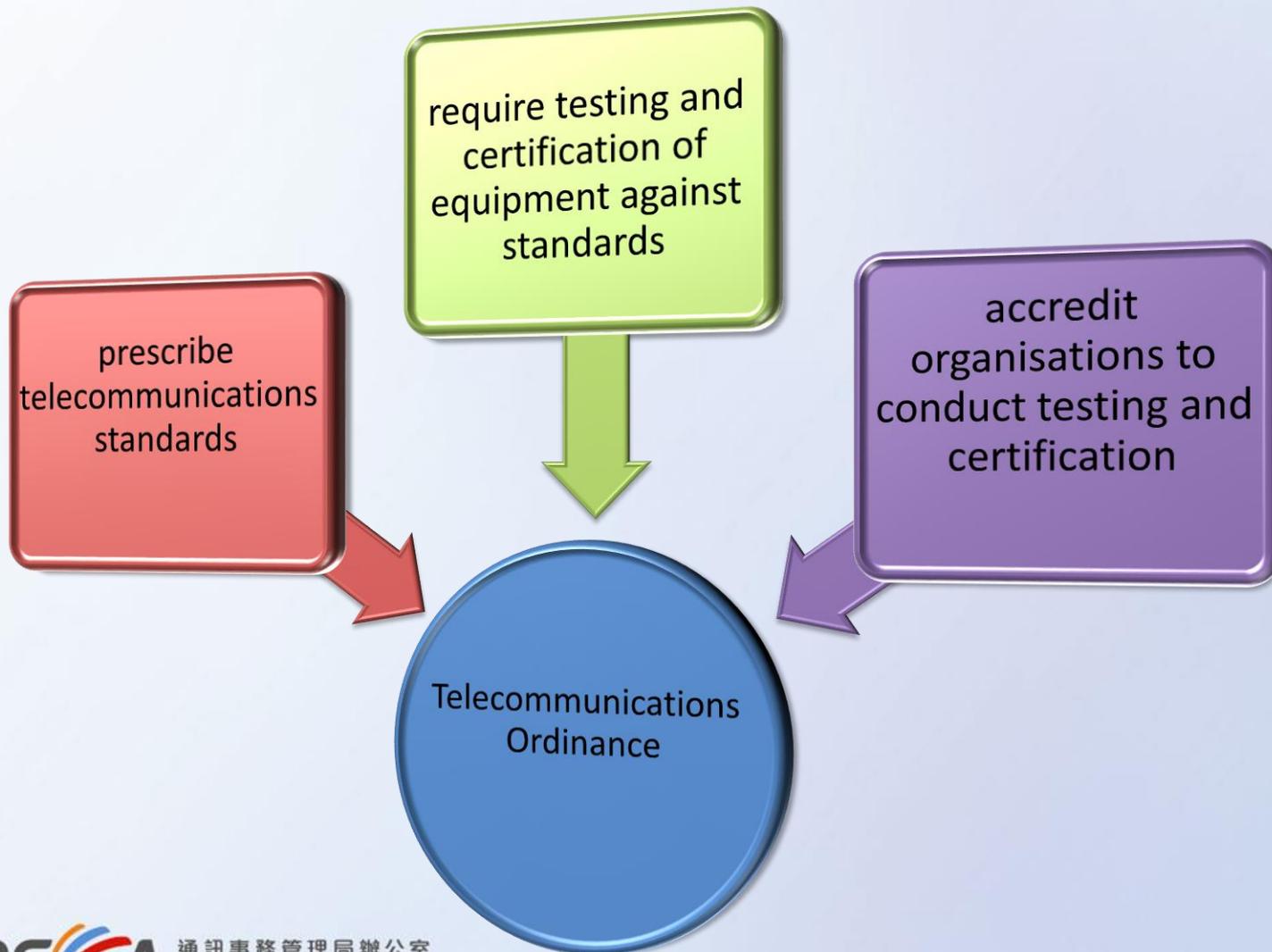


The Hong Kong Telecommunications Equipment Evaluation and Certification (HKTEC) Scheme 香港電訊設備鑑定及驗證計劃

Mr Warren Kwok
Senior Telecommunications Engineer
Office of the Communications Authority
28 June 2017

Standards, Testing and Certification



Purposes

Setting telecommunications equipment standards -

prevent radio interference

ensure network and user safety

ensure compatibility and interoperability



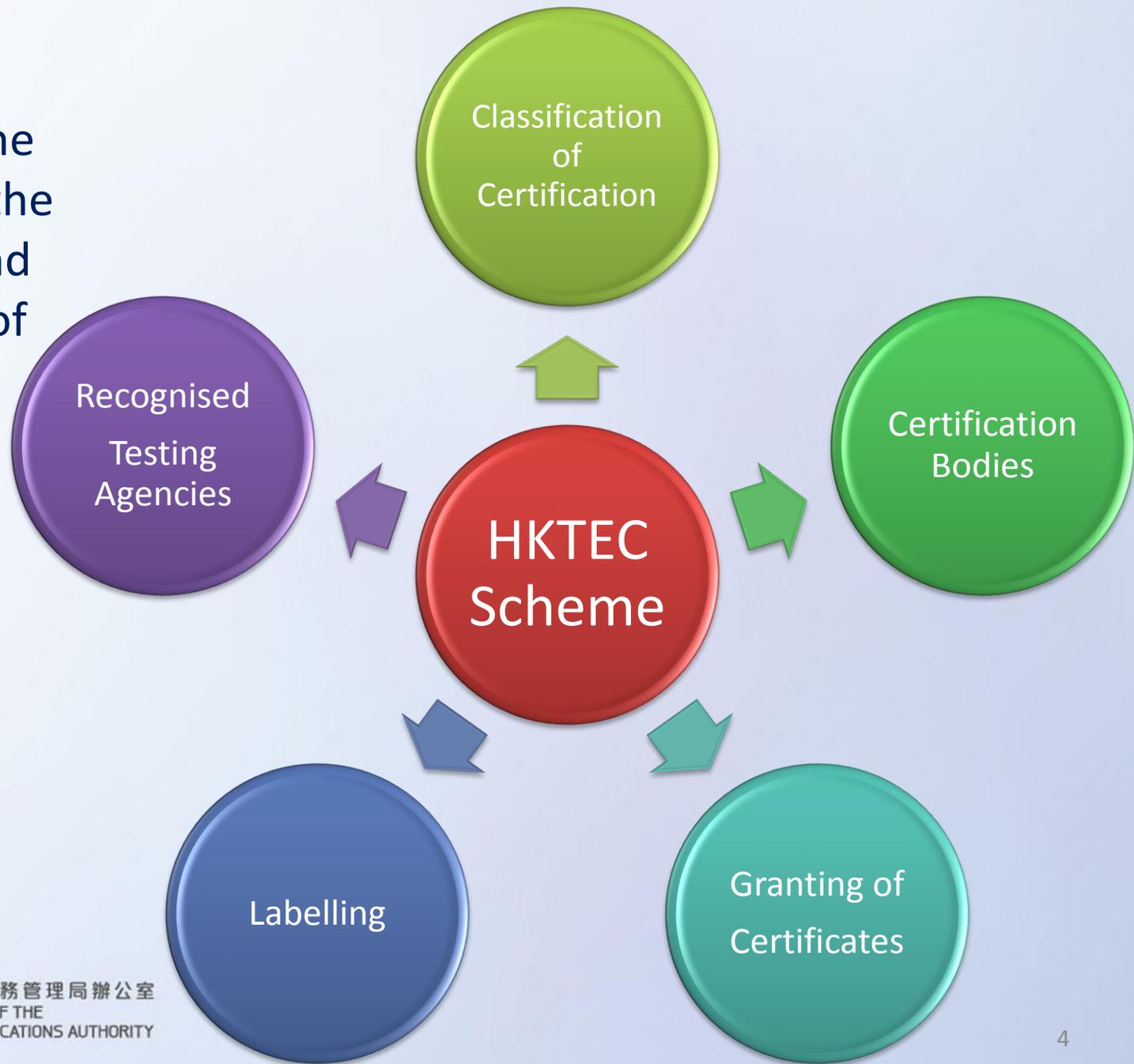
Testing and certification of telecommunications equipment -

ensure compliance with technical standards

protect consumer interests



HKTEC Scheme provides for the evaluation and certification of telecom equipment against prescribed standards



Classification of Certification (1)

Compulsory and Voluntary Certification Scheme

Equipment classified under Compulsory Certification Scheme (CCS) must be certified before they are used, marketed or connected to the public telecom network

Use of equipment subject to CCS covered by telecommunications licences



Classification of Certification (2)

Common radio equipment are exempted from licensing under the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order OR can be used under Class Licences

Classified under the Voluntary Certification Scheme (VCS)

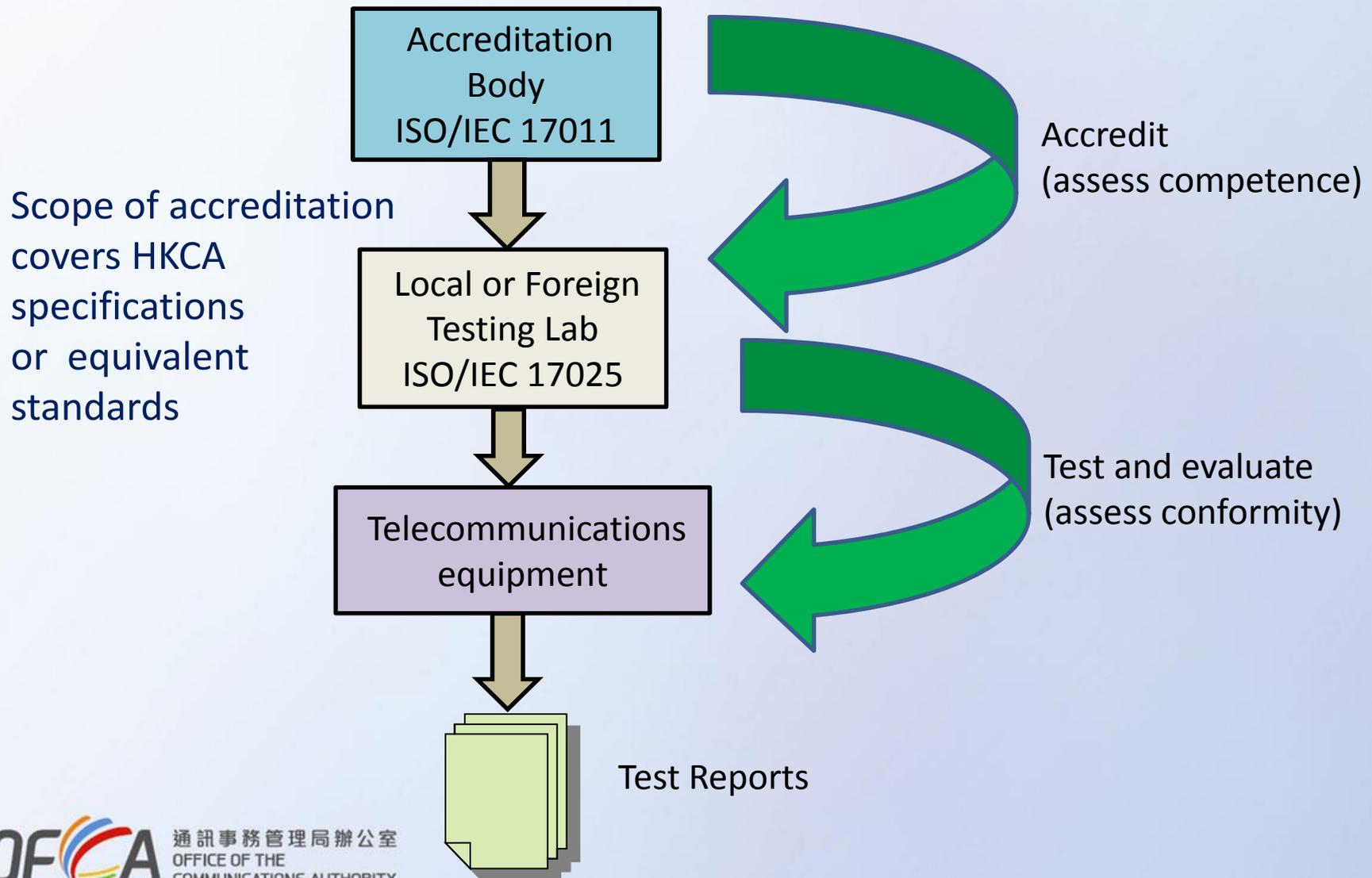


(((2,4 GHz)))
(((5 GHz)))



Testing and Evaluation of Telecommunications Equipment

Recognised Testing Agencies (RTAs)



RTA Scheme



Other Testing Agencies

Any other test labs with ISO/IEC 17025 accredited testing scope covering HKCA specifications or equivalent standards

Conformity Assessment Bodies (CABs) recognised by the Communications Authority (CA) under Phase I Procedures of APEC Mutual Recognition Arrangement for Conformity Assessment of Telecommunications Equipment

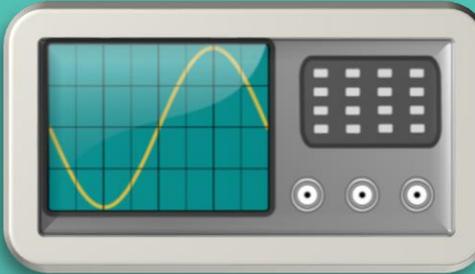
**APEC Mutual Recognition Arrangement
for Conformity Assessment
of Telecommunications Equipment
(APEC Tel MRA)**

亞太經濟合作組織
電訊設備合格評定互認安排

APEC Tel MRA



MRA partners publish their technical regulations for which they will accept test reports and equipment certifications from Conformity Assessment Bodies designated by the other partners



Phase 1

Mutual recognition of testing agencies as Conformity Assessment Bodies and mutual acceptance of test reports

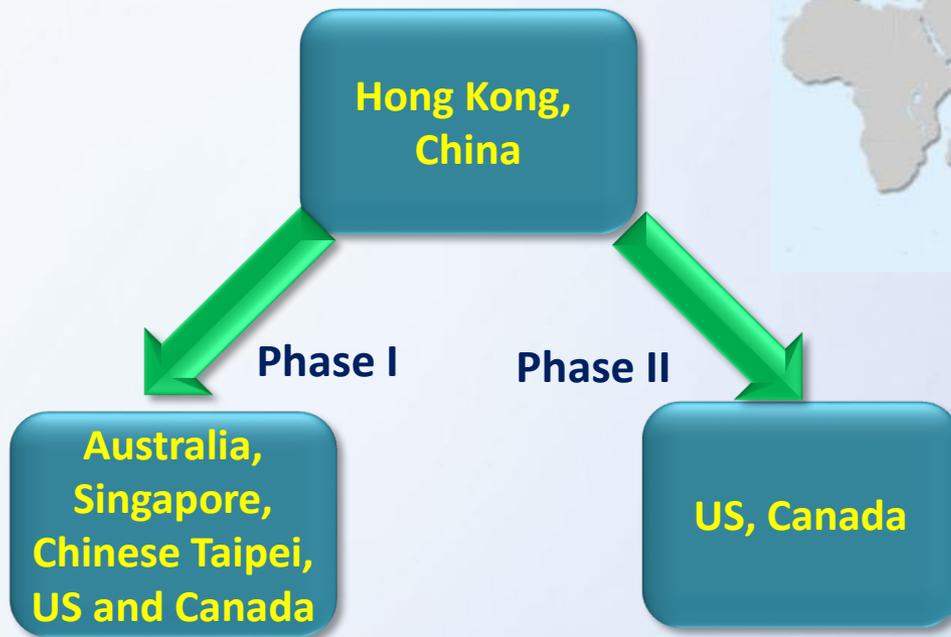
CERTIFICATE



Phase II

Mutual recognition of certification bodies as Conformity Assessment Bodies and mutual acceptance of equipment certifications

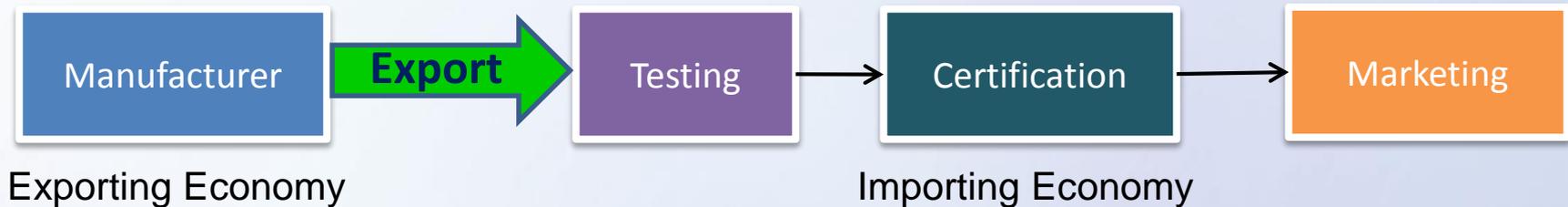
APEC Tel MRA Partners



21 APEC Member Economies joined APEC Tel MRA

APEC Tel MRA Implementation

Without Mutual Recognition



MRA Phase I : Mutual Recognition of Test Results



MRA Phase II : Mutual Recognition of Certifications



APEC Tel MRA Benefits

Increase transparency of regulations and conformity assessment processes

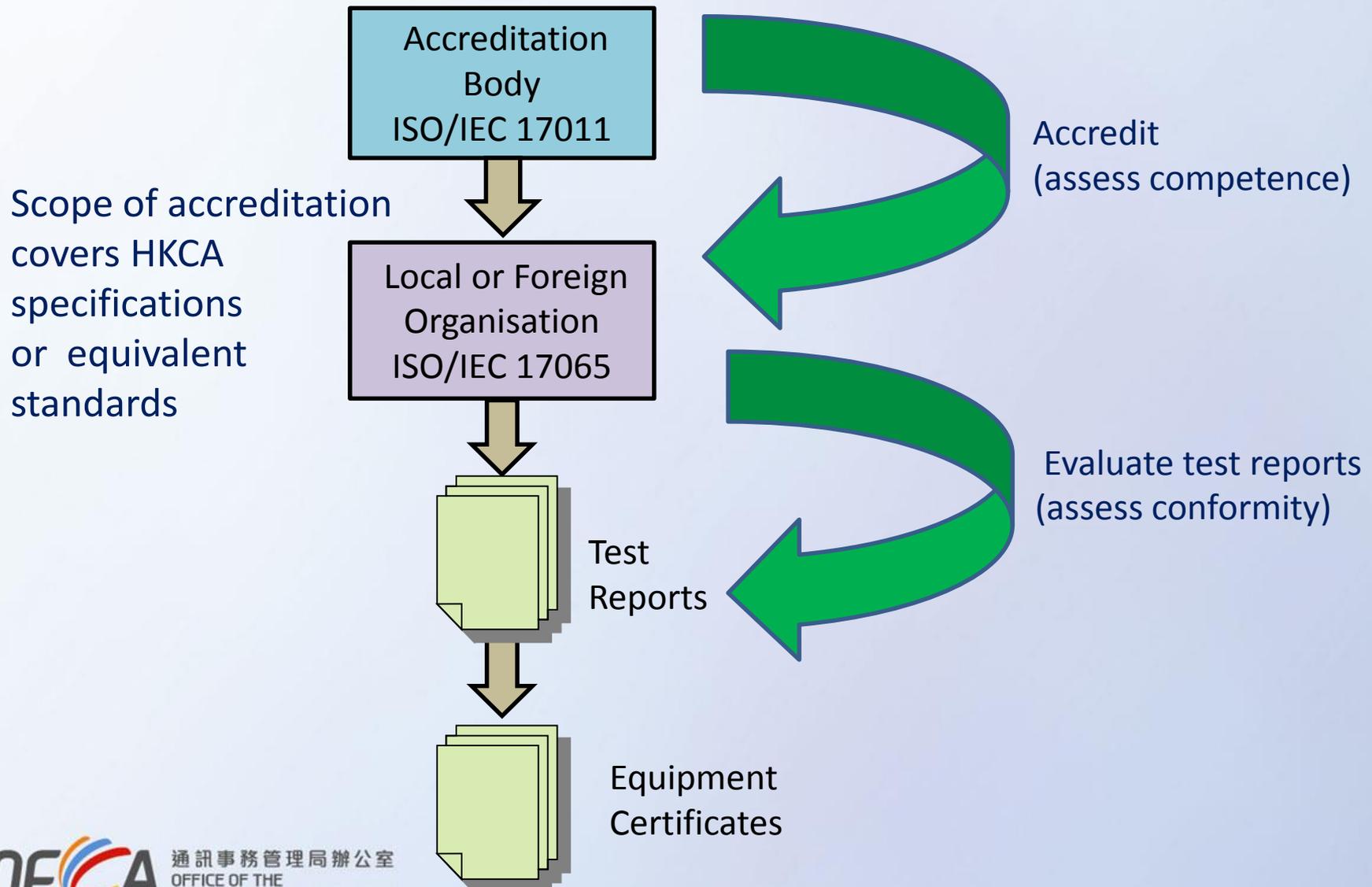


Provide wide choices in conformity assessment bodies of telecom equipment

Shorten time to supply equipment to market
AND reduce costs for testing and certification

Certification of Telecommunications Equipment

Certification Bodies (1)



Certification Bodies (2)

Telecom equipment evaluated to be in compliance with the relevant standards may be certified by a -

Local Certification Body accredited by the CA

Foreign Certification Body recognized by the CA pursuant to Phase II Procedures of APEC Tel MRA

Labelling

Labelling applies to equipment classified under VCS or CCS on a voluntary basis

Manufacturers, suppliers or dealers are encouraged to affix a label to a certified equipment for end users to identify compliance



ZZZZZ : Certification Body code
YY : Year of issue
XXXXX : Serial number of certificate in the year

Consumer Alerts



認住**通訊事務管理局**標籤最著數
Look for the **CA Label** when Buying
Radiocommunications Equipment

Certified for use in Hong Kong
經驗證可在香港使用
Certificate No. 證書號碼
ZZZZZYXXXXX

 通訊事務管理局
COMMUNICATIONS
AUTHORITY

Look for equipment with CA Label

OFCA Consumer Alerts at-

http://www.ofca.gov.hk/en/consumer_focus/education_corner/alerts/index.html



 通訊事務管理局
COMMUNICATIONS
AUTHORITY

切勿從加拿大
或美國攜帶
DECT 6.0 室內無線電話回港
(操作頻率為1.92-1.93 GHz)

**DO NOT BRING BACK
DECT 6.0 cordless telephone**
(operating at 1.92-1.93 GHz)
from Canada or USA to Hong Kong

在加拿大或美國使用之DECT 6.0室內無線電話，其操作頻率為1.92-1.93 GHz，並不符合香港規格。根據香港《電訊條例》，管有或使用不合規格的無線電器材最高可被罰款港幣50,000元及監禁兩年。

DECT 6.0 cordless telephone for use in Canada or USA, which is operating at 1.92-1.93 GHz, does not meet Hong Kong technical specifications. Under the Telecommunications Ordinance, possession or use of radiocommunications equipment not meeting technical specifications will be subject to a maximum penalty of HK\$50,000 fine and 2-year imprisonment.

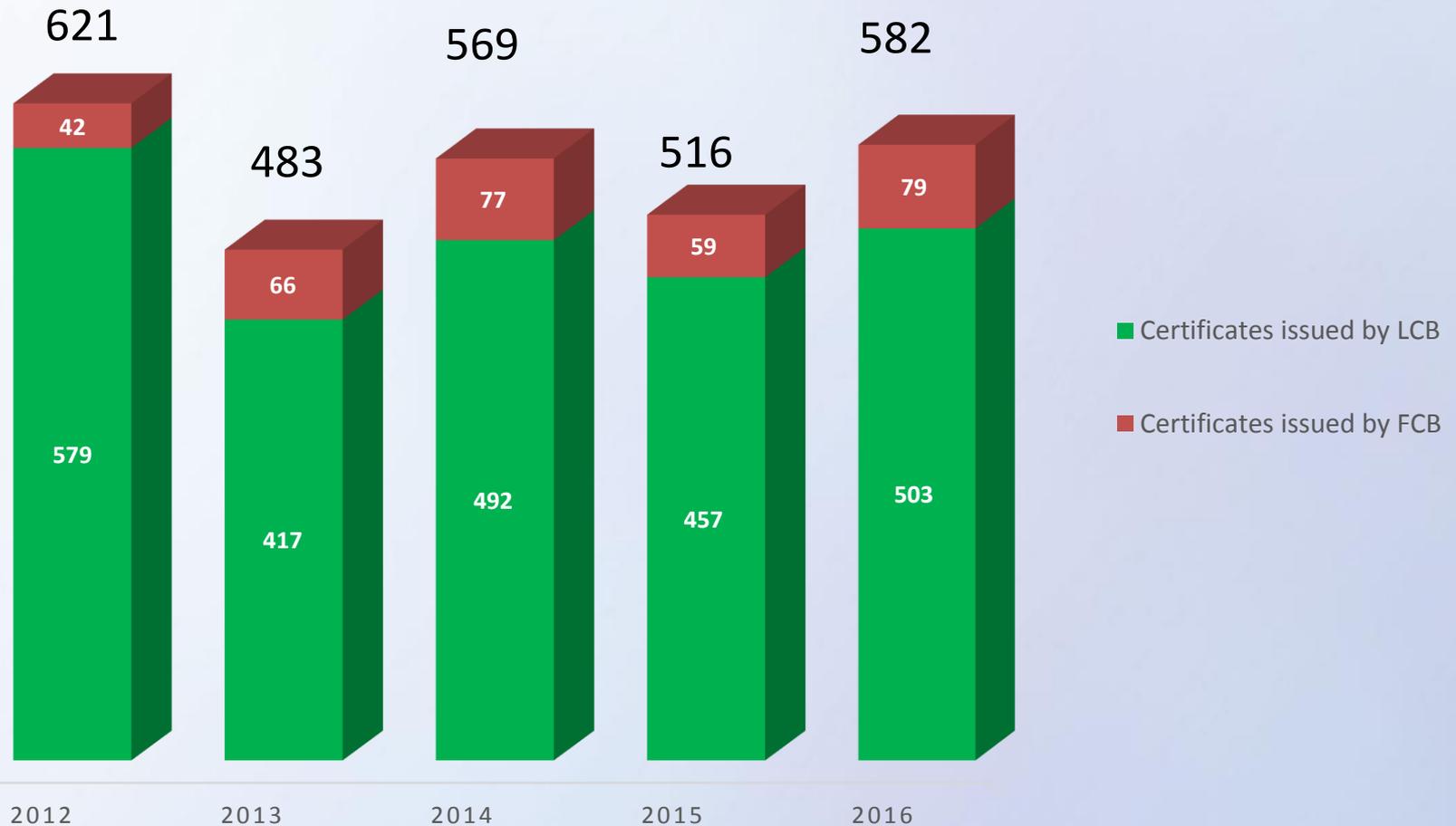
Non-compliant equipment

Data and Statistics

Statistics at a glance

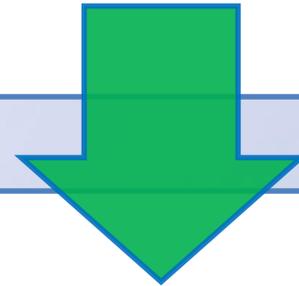
- ❑ Registered RTAs: **41**
- ❑ CABs recognised to provide testing services pursuant to Phase I of APEC Tel MRA : **31**
- ❑ FCBs recognised pursuant to Phase II of APEC Tel MRA for certification: **5**
- ❑ LCBs accredited to provide both testing and certification services : **3**
- ❑ Number of certified equipment: **14,201**
(as of May 2017)

Certificates issued in past 5 years



Application for LCB Accreditation and RTA Registration

Organisations with expertise in testing and certification of telecom equipment are welcome to apply to OFCA as LCBs or RTAs.



The application guidelines are published at:

http://www.ofca.gov.hk/en/industry_focus/telecommunications/standards/telecom/information_notes/index.html

Thank you

Please visit our websites at:

Communications Authority
www.coms-auth.hk

Office of the Communications Authority
www.ofca.gov.hk

