Certification System in each country

March 26, 2010

Certification Promotion Office, Telecommunications Bureau, Ministry of Internal Affairs and Communications
1. India
2. China
3. Korea
4. Canada
5. Peru
6. Russia
India

Certification system of radio equipment

**Regulator**
(1) MCIT (Ministry of Communications and Information Technology) / DoT (Department of Telecommunications) / TEC (Telecommunication Engineering Center)
- TEC Type Approval
- COA (Certificate of Approval)

(2) MCIT / DoT / WPC Wing (Wireless Planning & Coordination wing)
- WPC Type Approval

**Conformity Assessment procedure**
(1) TEC Type Approval
   For devices and networks subject to technical standards document GR (Generic Requirements)

(2) COA
   For GSM mobile terminal

(3) WPC Type Approval
   For wireless devices used in de-licensed frequency band

**Certification Body**
(1) TEC Type Approval : TEC
(2) COA : TEC
(3) WPC Type Approval : RLO (Regional Licensing Office)

**Certification Procedure**
(1) TEC Type Approval
   Infrastructure Assessment Advice
   Inspection of test infrastructure etc.
   To submit application
   Formality check
   To submit sample
   Certificate issued

(2) COA
   Procedure similar to (1)

(3) WPC Type Approval
   To register Equipment library of WPC
   To submit test report prepared by designated laboratory
   Formality check
   (Inspection of manufacturing facility)
   Certificate issued
   Import permit for import equipment issued
Certification system of terminal equipment

**Regulator**
MCIT / DoT / TEC
- TEC Interface Approval
- TEC Type Approval

**Conformity Assessment Procedure**
(1) TEC Interface Approval
   For devices and networks subject to technical standards document IR (Interface Requirements)

(2) TEC Type Approval
   For devices and networks subject to technical standards document GR

**Certification Body**
(1) TEC Interface Approval : TEC

(2) TEC Type Approval : TEC

**Certification Procedure**
(1) TEC Interface Approval
   To submit application
   Formality check
   To submit sample
   Certificate issued

(2) TEC Type Approval
   Infrastructure Assessment Advice
   Inspection of test infrastructure etc.
   To submit application
   Formality check
   To submit sample
   Certificate issued
## Certification system of radio equipment

### Regulator
1. **MIIT (Ministry of Industry and Information Technology)**
   - **RTA** (Radio Type Approval)
   - **CRoHS** (China Restriction of Hazardous Substances)

2. **AQSIQ (General Administration of Quality Supervision, Inspection and Quarantine of China) / CNCA (Certification and Accreditation Administration)**
   - **CCC** (China Compulsory Certification)

### Conformity Assessment Procedure
1. **RTA**
   - For all of radio transmitter

2. **CCC**
   - For equipment listed as CCC equipment (including radio equipment & terminal equipment)

3. **CRoHS**
   - For EIP (Electronic Information Product)

### Certification Body
1. **RTA** : **BRA** (The Bureau of Radio Administration)

2. **CCC** : **CQC** (China Quality Certification Center) or **ISCCC** (China Information Security Certification Center)

3. **CRoHS** : None

### Certification Procedure

#### (1) RTA
- **Application to SRRC** (The State Radio Regulation Center)
  - SRRC sends sample to SRTC (The State Radio Monitoring Center Testing Center)
  - SRTC submits test report to SRRC
  - Certificate issued by BRA

#### (2) CCC
- To submit application to certification body (CQC or ISCCC)
  - To submit sample to designated laboratory
  - Designated laboratory sends test report to CB (certification body)
  - Examiner inspects quality system of the factory
  - CCC certificate and CCC mark issued by CB

#### (3) CRoHS
- DoC
China

Certification system of terminal equipment

**Regulator**
(1) MIIT (Ministry of Industry and Information Technology)
   - NAL (Network Access License)
   - CRoHS (China Restriction of Hazardous Substances)

(2) AQSIQ (General Administration of Quality Supervision, Inspection and Quarantine of China) / CNCA (Certification and Accreditation Administration)
   - CCC (China Compulsory Certification)

**Conformity Assessment Procedure**
(1) NAL
   For Terminal equipment

(2) CCC
   For equipment listed as CCC equipment (including radio equipment & terminal equipment)

(3) CRoHS
   For EIP (Electronic Information Product)

**Certification Body**
(1) NAL : TENAA (Telecommunications Equipment and Certification Center)

(2) CCC : CQC (China Quality Certification Center) or ISCCC (China Information Security Certification Center)

(3) CRoHS : None

**Certification Procedure**
(1) NAL
   Examination of Designated laboratory
   To submit application
   Formality check
   Certificate issued by BRA

(2) CCC
   To submit application to CB
   To submit sample to designated laboratory
   Designated laboratory sends test report to CB
   Examiner of CB inspects quality system of the factory
   CCC certificate and CCC mark issued by CB

(3) CRoHS
   DoC
**Certification system of radio equipment**

**Regulator**
KCC (Korea Communications Commission) / RRA (Radio Research Agency)

**Conformity Assessment Procedure**

(1) TR (Type Registration)
   - For radio equipment for general users

(2) Type Verification
   - For equipment for safety of ship or aircraft

(3) EMC Registration
   - For Information Technology equipment

**Certification Body**
RRA

**Designated Laboratory**
Korea: 40 (radio equipment: 28, EMC: 37, terminal equipment: 10)

U.S.: 72 (radio equipment: 9, EMC: 68, terminal equipment: 3)

Canada: 11 (radio equipment: 2, EMC: 10, terminal equipment: 1)

**Certification Procedure**

(1) TR
   - Test by RRA or designated laboratory
   - Application of TR to RRA
   - To submit test report to RRA
   - (When tested by RRA, application is unnecessary.)
   - Certificate issued

(2) Type Verification
   - Test by RRA
   - Certificate issued

(3) EMC Registration
   - Procedure similar to (1)
Certification system of terminal equipment

**Regulator**
KCC (Korea Communications Commission) / RRA (Radio Research Agency)

**Conformity Assessment Procedure**
TA (Type Approval): For terminal equipment

**Certification Body**
RRA

**Designated Laboratory**
Korea: 40 (radio equipment: 28, EMC: 37, terminal equipment: 10)

U.S.: 72 (radio equipment: 9, EMC: 68, terminal equipment: 3)

Canada: 11 (radio equipment: 2, EMC: 10, terminal equipment: 1)

**Certification Procedure**
TA:
Test by RRA or designated laboratory
- Application of TA to RRA
To submit test report to RRA
(When tested by RRA, application is unnecessary.)
- Certificate issued
**Certification system of radio equipment**

### Regulator
IC (Industry Canada) / CEB (Certification and Engineering Bureau)

### Conformity Assessment Procedure

1. Certification
   - For equipment subject to BETSs or RSSs:
     - BETS (Broadcasting Equipment Technical Standards)
     - RSS (Radio Standard Specification)

2. Declaration of Compliance
   - For equipment subject to BETSs, ICESs or RSSs:
     - BETS
     - ICES (Interference - Causing Equipment Standards)
     - RSS

### OATS (Open Area Test Site)
Total: 280 (23 countries)
(U.S.: 106, China: 59, Taiwan: 33, Germany: 14, Canada: 10, U.K.: 10, Japan: 6 etc.)

### Certification Body
Total: 24 (5 countries)
(U.S.: 15, Germany: 4, Canada: 2, U.K.: 1, Netherlands: 1)

### Certification Procedure

1. Certification
   - Test by OATS (if applicable)
   - Application to IC or certification body
   - To issue TAC (Technical Acceptance Certificate)
   - CEB enrolls REL (Radio Equipment List)

2. Declaration of Compliance
   - Test by OATS (if applicable)
Regulator
IC (Industry Canada) / CEB (Certification and Engineering Bureau)

Conformity Assessment Procedure
DoC and Registration:
For equipment subject to CS-03 "Compliance Specification for Terminal Equipment, Terminal Systems, Network Protection Devices, Connection Arrangements and Hearing Aids Compatibility"

It composes from Part ☐ to Part ☒.

Part ☐: analogue terminal equipment intended for connection to the public switched network.
Part ☐: digital terminal equipment intended for connection to 1.544 Mbps (DS-1) digital facilities.
Part ☐: methods of connection for terminal equipment.
Part ☐: a glossary of terms used throughout the document.
Part ☐: the magnetic output from handset telephones for the purpose of coupling with hearing aids. These technical requirements are intended to ensure compatibility between hearing aids and handsets, thus providing persons with hearing aids reasonable access to the telephone network.
Part ☐: Integrated Services Digital Network (ISDN) terminal equipment.
Part ☐: limited distance modem terminal equipment and digital subrate terminal equipment.
Part ☐: a range of Digital Subscriber Line (xDSL) terminal equipment.

Designated Laboratory
Total: 71 (11 countries)
(U.S.: 34, Taiwan: 9, Canada: 8, Korea: 5, Germany: 4, U.K.: 3, Netherlands: 3, Japan: 2, Hong Kong: 1, Singapore: 1, Sweden: 1)

DoC Procedure
Application to laboratory accredited, designated or recognized by IC
☐
DoC
☐
Application of registration of equipment to IC’s Terminal Equipment List
Certification system of radio equipment

**Regulator**
MTC (Ministry of Transport and Communications) / General Direction of Control and Supervision of Communications

**Criteria**
1. Homologation of radio equipment (except (2))
2. Homologation of national construction equipment
3. Registration of import equipment certificated by U.S. and Canada

**Certification Body**
MTC

**Certification Procedure**
1. Homologation of radio equipment (except (2))
   - Input the data into MTC website
   - Formality check
   - Substance check
   - To issue certification
   - To submit application

2. Homologation of national construction equipment
   - Case of transferable equipment
     - To submit application
     - Test by MTC
     - To issue certification
   - Case of nontransferable equipment
     - To submit application
     - Entry into Program of Annual Plan of Homologation
     - In situ technical verification
     - To issue certification

3. Registration of import equipment certificated by U.S. and Canada
   - Input the data into MTC website
   - Ensure of the equipment that can be approved
   - Generation of registration number
   - MTC has authority of post-registration inspection
Certification system of terminal equipment

**Regulator**
MTC (Ministry of Transport and Communications) / General Direction of Control and Supervision of Communications

**Criteria**
(1) Homologation of terminal equipment (except (2))
(2) Homologation of national construction equipment
(3) Registration of import equipment certificated by U.S. and Canada

**Certification Body**
MTC

**Certification Procedure**
(1) Homologation of terminal equipment (except (2))
   - Input the data into MTC website
   - Formality check
   - Substance check
   - To issue certification
   - To submit application

(2) Homologation of national construction equipment
   - <Case of transferable equipment>
     - To submit application
     - Test by MTC
     - To issue certification
   - <Case of nontransferable equipment>
     - To submit application
     - Entry into Program of Annual Plan of Homologation
     - In situ technical verification
     - To issue certification

(3) Registration of import equipment certificated by U.S. and Canada
   - Input the data into MTC website
   - Ensure of the equipment that can be approved
   - Generation of registration number
   - MTC has authority of post-registration inspection
### Certification system of radio equipment

**Regulator**
- (1) Mininform (Ministry of Communications and Mass Communications)
- (2) Minprom (Ministry of Industry and Trade of the Russian Federation) / GOST (State Committee of Russian Federation for Standardization and Metrology)
- (3) SCRF (Security Council of the Russian Federation)
- (4) Rospotrebnadzor (Russian Federal Agency for Consumer Supervision)

**Conformity Assessment procedure**
- (1) Telecommunications equipment authorization
  - Compulsory Certification
  - DoC
  Either or is selected on the basis of NAL (Normative Legal Acts) for radio equipment.
- (2) GOST-R
  - Compulsory Certification
  - DoC
  - Non-Compulsory Certification
  In case of radio equipment subject to GOST-R
- (3) Approval of Radio Frequency / Import permit
  It is necessary for export to Russia.
- (4) Hygienical Certification
  Electromagnetic safety

### Certification system of terminal equipment

**Regulator**
- (1) Mininform
- (2) Minprom / GOST

**Conformity Assessment procedure**
- (1) Telecommunications equipment authorization
  - Compulsory Certification
  - DoC
  Either or is selected on the basis of NAL (Normative Legal Acts) for terminal equipment.
- (2) GOST-R
  - Compulsory Certification
  - DoC
  - Non-Compulsory Certification
  In case of terminal equipment subject to GOST-R
Thank you very much!

● MIC Website

● MIC Radio Use Website
http://www.tele.soumu.go.jp/e/index.htm