

Memorandum of Understanding

Between

The International Telecommunication Union

at Place des Nations, CH-1211 Geneva 20, Switzerland

(hereinafter the "ITU");

The Association of Radio Industries and Businesses

at 1-4-1 Kasumigaseki Chiyoda-ku, Tokyo

100-0013 Japan

(hereinafter "ARIB");

China Communications Standards Association

at 52# HuaYuanBei Road,

Haidian District, Beijing,

China, 100191

(hereinafter "CCSA");

Telecommunications Technology Association

at 267-2 Seohyeon-dong, Bundang-gu,

Seongnam-City, Gyeonggi-do, 463-824, Republic of Korea

(hereinafter "TTA");

and

The Telecommunication Technology Committee

at Shibakouen Denki Bldg.

1-1-12 Shibakouen, Minato-ku, Tokyo

105-0011 Japan

(hereinafter "TTC");

RECOGNIZING

- a) that the ITU is the pre-eminent global telecommunication and radiocommunication standards development organization;
- b) Resolution ITU-R 9-3 "Liaison and collaboration with other relevant organizations, in particular ISO and IEC";
- c) Recommendation ITU-T A.6 "Cooperation and exchange of information between ITU-T and National and regional standards development organizations";
- d) that ARIB, CCSA, TTA and TTC are recognized important national standards development organizations;
- e) that ARIB, CCSA, TTA, TTC and the ITU have a complementary role to each other;
- f) that ITU, ISO and IEC form the World Standards Cooperation (hereinafter "WSC");

Now, therefore, ARIB, CCSA, TTA, TTC and the ITU (hereinafter referred to collectively as the "Participants") intend to cooperate as follows:

ARTICLE 1 - Objective

- 1.1 The objective of this MoU is to establish good collaborative linkages between the Participants in the area of global standardisation, in accordance with the Participants' prevailing rules and regulations and on the basis of mutual benefit.
- 1.2 Specifically, this MoU aims to:
 - a) increase transparency of the Participants' ongoing work and their possibility to mutually influence the content of standards adopted by them;
 - b) avoid duplication of work and structures, thus allowing expertise to be focused and used in an efficient way to the benefit of international standardization;
 - c) increase the speed of elaboration, availability and maintenance of standards and establishment of consensus.
- 1.3 The ultimate goal of this MoU is the adoption, if possible, of ITU global ICT/telecommunication standards (known as ITU Recommendations) and related ARIB, CCSA, TTA, or TTC national standards.

ARTICLE 2 - Joint Efforts

The Participants agree to cooperate in the following areas:

- a) standards development in the different regions and the global standards scenario;
- b) collaboration in planning future standards development to gain synergy and to reduce duplication;
- c) supporting the ITU as the pre-eminent global telecommunication and radiocommunication standards development organization;
- d) producing ITU global standards that reflect the requirements of all Participants and their respective membership.

ARTICLE 3 - Implementation of the MoU

In order to ensure an efficient implementation of the activities under this MoU, the following actions will be undertaken by the Participants:

- a) by mutual consent the Participants will identify joint work programme topics for development as ITU Recommendations and maintain/update the list of these topics separately from this MoU;
- b) an iterative process will be implemented whereby input documents are developed for submission by an ITU Member State/Sector Member to ITU study groups and other groups, and revised documents are prepared for resubmission taking account of comments and proposals made in the ITU meetings;
- c) ITU will ensure good collaboration and cooperation with the WSC members in the development of any such global standards so as to ensure: i) complementarity with any existing or developing standard(s) within the WSC; ii) any necessary complementary standards that might be needed by other members of the WSC are identified, and iii) the possibility of developing common texts so as to avoid any possible duplication;
- d) to the extent possible, exchanging views on and coordination of positions with regard to the activities of other standardisation bodies;
- e) each Participant will designate contact points to coordinate activities related to this MoU;
- f) after designation of the above-mentioned contact points, the Participants will meet when and as required, at their own expense, for further consultation and

commencement of the cooperation activities, but utilising to the full extent possible electronic communication to reduce costs;

ARTICLE 4 – Assignment or Transfer to Third Parties

The responsibilities of the Participants under this MoU are not assignable or transferable to third parties. However, if at any time during the implementation of this MoU, it is agreed by the Participants that the association of (a) third party(ies) will strengthen the process of achieving the objective of this MoU, then that/those third party(ies) may be formally associated with this MoU as mutually agreed.

ARTICLE 5 – Confidentiality

Any discussion or document related to this MoU and deemed confidential by the Participants will be governed by a stand-alone non-disclosure agreement to be signed by the Participants, as necessary.

ARTICLE 6 – Financial Arrangements

This MoU does not represent any commitment with regard to funding on the part of any Participant.

ARTICLE 7 – Settlement of Disputes

The Participants confirm that they will exercise good faith efforts to resolve any dispute between them arising from or in connection with this MoU through mutual negotiation and agreement.

ARTICLE 8 – Entry into Force, Modification and Termination

This MoU will enter into force on the date of its signature by the Participants and may only be modified with the mutual written consent of all Participants. This MoU may be terminated upon written notice to the other Participants and will terminate 60 days after receipt of such notice.

ARTICLE 9 – Channel of Communications and Notice

For the purpose of facilitating the implementation of the working arrangements to be established by the Participants in the framework of this MoU, the channel of communication for the Participants will be:

International Telecommunication Union
Attention: Mr. Reinhard Scholl, Deputy Director
Telecommunication Standardization Bureau
Place des Nations
CH-1211 Geneva 20
Switzerland
Telephone: +41 22 730 5860
Fax: +41 22 730 5853
Email: Reinhard.scholl@itu.int

Association of Radio Industries and Businesses
Attention: Dr. Kohei Satoh, Managing Director
1-4-1 Kasumigaseki Chiyoda-ku, Tokyo
100-0013
Japan
Telephone: +81 3 5510 8594
Fax: +81 3 3592 1103
Email: satoh@arib.or.jp

China Communications Standards Association
Attention: Ms. Duo Liu, Deputy Secretary-General
52# HuaYuanBei Road, Haidian District, Beijing,
100191
China
Telephone: +86 10 62300009
Fax: +86 10 62301849
Email: liuduo@mail.ritt.com.cn

Telecommunications Technology Association
Attention: Dr. Byoung-Moon Chin, Vice President
267-2 Seohyeon-dong, Bundang-gu
Seongnam-City, Gyeonggi-do,
463-824
Republic of Korea
Telephone: +82 31 724 0100
Fax: +82 31 724 0109
Email: bmchin@tta.or.kr

The Telecommunication Technology Committee
Attention: Mr. Junso Tamura, Director of International Affairs
Shibakouen Denki Bldg.
1-1-12 Shibakouen, Minato-ku, Tokyo
105-0011
Japan
Telephone: +81 3 5776 7797
Fax: +81 3 3432 1553
Email: tamura@ttc.or.jp

ARTICLE 10 – Privileges, Immunities and Facilities

By participating in this MoU, the Participants do not waive their privileges, immunities and facilities, which they enjoy by virtue of applicable international agreements and national laws.

IN WITNESS WHEREOF, the Participants hereto, have signed this MoU in five (5) originals in the English language.

For the International
Telecommunication Union



Dr. Hamadoun I. Touré
Secretary-General

Date: 8/6/2011

Place: GENEVA

For the Association of Radio Industries
and Businesses

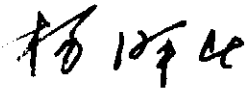


Mr. Masayoshi Wakao
Secretary-General

Date: 28/6/2011

Place: Tokyo

For China Communications Standards
Association

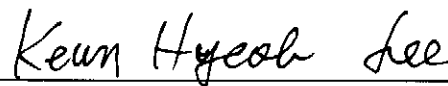


Mr. Zemin Yang
Secretary-General

Date: 17/06/2011

Place: Beijing

For Telecommunications Technology
Association



Mr. Keun Hyeob Lee
President

Date: 23/06/2011

Place: Seongnam

For The Telecommunication Technology
Committee



Mr. Yoichi Maeda
CEO and SVP

Date: 6/7/2011

Place: Tokyo