Radio Research Agency to host
ITU Climate Change Standard Conference in Korea

Radio Research Agency of Korea Communications Commission (KCC) announced the hosting of ITU-T SG5 Radio Environment and Climate Change Standard Conference in Seoul at September this year.

ITU-T SG5 administers standardization to lower carbon emission from broadcasting and communications industry and to achieve low carbon emission by applying the technologies to other industries.

At this conference, approximately 250 standardization experts will attend from 30 member nations including the U.S. and the U.K. as well as over 30 member companies, such as the French Telecom and Apple from the U.S.

Korea is leading standardization in 7 fields including green diagnosis standardization for green internet data center establishment. It is forecasted that standards of green internet data center and rare metal recycling from ICT wastes to be proposed by Korea in this conference will be adopted as international standards and therefore will significantly contribute to achieving green internet data center implementation and recycling of broadcasting and communications products.

With hosting of the SG5 international conference in 2011, Korea will increase the awareness of the government, domestic manufacturers and broadcasting and communications service providers on climate change and broadcasting and communications technologies. At the same time, it is anticipated to increase the international competitiveness of Korea's green industry through global standardization.

[Reference]

Glossary

1. ITU

    ITU (International Telecommunication Union) is an information and communications organization affiliated to the UN. ITU performs in the fields of ICT-related international conventions and standards establishment.

2. ITU Climate Change Standard Conference

    ITU officially launched the 'ITU Climate Change Standard Conference' in May 2009 in accordance with the necessity of studies for climate change. This conference aims at reducing greenhouse gas emission and power consumption using ICT. For this, ITU Climate Change Standard Conference develops standard documents for standardization planning, climate change handling methodologies, low carbon power supply system, recycling of information and communications devices and energy reduction analysis.

3. ITU-T SG5

    ITU-T SG5 is a standardization study group of ITU and consists with 3 operation groups including climate change group. Operation group 1 administers standardization works to protect human lives and facilities from electromagnetic threats caused by lightning on ICT facilities. Operation group 2 handles standardization of the impacts of electromagnetic waves on human body and electromagnetic compatability. Operation group 3 focuses on lowering carbon emissions from broadcasting and communications industry to handle climate change and standardization to lower carbon emissions in other industries.

4. Editor

    In each field of ITU-T standardization group, standardization documents are

drawn up per standardization item. Editors are in overall charge of handing the standardization document operations.

5. Data Center

Nicknamed as a 'hippo that feeds on electricity', data center is an integrated information and communications facility in which high-speed internet access and information system management agency operations are being carried out that are essential in the internet business. Data center is equipped with security facilities as well as appropriate temperature, humidity and aseptic environments for the most stable server management.

6. Rare Metal

Referring to metals that exist in small quantities in natural state or pure metals that are difficult to be extracted, rare metals include barium, beryllium and gallium. Rare metals are used in the high-tech industries including mobile phone manufacturing.

7. Standardization Documents and Editors in 7 Fields

Standardization Document	Editor
Standardization of estimation of GHG emission from ICT products · services	Editor (Lim Jeong-Il, ETRI)
Estimation of GHG reduction by GHG reduction project using ICT	Editor (Kim Yong-Woon, ETRI)
Estimation of GHG emission in ICT fields	Editor (Jeong Sam-Yeong, RRA)
Standardization of information provision for recycling of rare metals in ICT products	Editor (Kim Taek-Su, KITECH) Editor (Kim Eun-Suk, ETRI)
Standardization of green IDC installation and operation	Editor (Kim Ju-Yeong, TTA)
Internet data center green diagnosis standardization	Editor (Lee Sang-Hak, NIA)

Internet data center DC power supply standardization	Editor (Lee In-Seop, KT)