

# Newsletter ARIB SEASON



No.0033

## Vehicle Safety Communications Seminar 2021

ITS Info-communications Forum (ITS-Forum) for which ARIB works as secretariat held "Vehicle Safety Communications (VSC) Seminar 2021 - The results of the international conference concerning VSC and the activity report of the Forum -" online on 16 December 2021. About 120 people from ITS related ministries / organizations and member companies of ITS-Forum participated.

The program of the Seminar was as follows.

Session	Title	Speaker
	(Opening)	Mr. YAMAMOTO Takeshi Chairman, International Relations Committee, ITS-Forum (Moderator)
<b>[Part 1] Global Trends of C-ITS and Automated Driving Systems</b>		
(1)	Initiatives for C-ITS and Automated Driving Society in MIC	Mr. IDE Shinji Director of the New-Generation Mobile Communications Office, Ministry of Internal Affairs and Communications (MIC)
(2)	Trends toward the practical application of Level 4 Mobility Services in Europe and the United States	Mr. UCHIMURA Takahiko Senior Vice President, ITS Japan
<b>[Part 2] International Standardization Status of ITS Wireless Systems</b>		
(1)	Trends of International Standardization for ITS / CAV in ITU-R	Mr. YOSHINO Satoshi Chairman, ITU-R SG5 WP5A WG5

(2)	Trends of Standardization for ITS in APT / AWG and IEEE802.11	Mr. TAKAHASHI Kazuaki Chairman, Millimeter-Wave WG ITS-Forum
<b>[Part 3] Study on Next Generation Wireless Communication System in ITS-Forum</b>		
(1)	Study on Wireless Communication System for Automated Driving System - Progress Report for SIP Cooperative Autonomous Driving Use Case -	Mr. HAMAGUCHI Masaharu Chairman, Radio System Technology TG ITS-Forum
<b>[Discussion] Trends and Issues Regarding Connected Vehicles in Europe and the United States</b>		
	[Moderator] Mr. OYAMA Satoshi Chairman, International Standardization Promotion TG ITS-Forum [Panelist] Mr. IDE Shinji Director, MIC Mr. OGAWA Naofumi Mazda Motor Corp. Prof. OBANA Sadao Chairman, Executive Committee ITS-Forum	
	(Closing Remarks)	Prof. OBANA Sadao Chairman, Executive Committee ITS-Forum

### CJK the 63rd IMT Working Group Meeting

CJK IMT Working Group Meeting is aiming to exchange information and views about the activities of international IMT standardizations in ITU-R, APT, 3GPP and so on, among members of SDOs in China, Korea and Japan.

#### 1. Outline of the Meeting

Schedule	6 and 7 January 2022
Meeting	Online
Participants	ARIB (Japan) 19, CCSA (China) 43, TTA (Korea) 16

## 2. Main Results

- (1) The results of the 39th ITU-R SG5 WP5D meeting and the recent 3GPP meeting were shared. Furthermore, views were exchanged on the future issues to be studied.
- (2) Toward the 40th WP5D meeting scheduled to be held from 7 February, preparation progress in each country was shared, and it was decided that how to proceed with the discussion about IMT-2020 recommendation on unwanted emission was of high priority, and that exchange of opinions by e-mail would be continued.
- (3) Information of each country's study of Future Technology Trends report and of Vision recommendation for Beyond 5G standardization were shared, and discussion was held on what should be included in the report / recommendation and how to proceed with the future studies. Regarding the Vision Workshop which would be held in June 2022, it was agreed that discussion including possibility of joint contribution by e-mail would be continued.
- (4) As an effective use of this meeting, South Korea has proposed to share information on the situation in regions other than Asia and to actively discuss issues that are difficult to solve due to the lack of deliberation at the WP5D meeting. How to proceed with this proposal will be studied by SDOs from each country.

## 3. Next meeting schedule

The next CJK IMT Working Group Meeting would be scheduled around May 2022.

<b>APT Training Course 2021 online</b> <b>"Next and New Generation Mobile Communication Systems in 5G Era"</b>
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As a part of APT (Asia-Pacific Telecommunity) training course "Next and New Generation Mobile Communication Systems in 5G Era" (co-organized by MIC and YRP R&D Promotion Association, supported by ARIB), the lectures by ARIB, Country Report presentation by each trainee and technical tours of telecommunication equipment suppliers were held online on 1 through 3 March 2022. 25 trainees from 11 countries in Asia and the Pacific (Brunei, China, Malaysia, Myanmar, Nepal, Singapore, Thailand, Hong Kong, Bhutan, India, Macau) participated.

Program is as described below.

Program	Content	Presenter
Country Report Presentation	1) National information (Organization, Frequency assignment, Mobile communications carriers and suppliers) 2) Mobile communication development (Subscribers, Penetration Coverage, Traffic, Frequency allocation, Services) 3) Presenter's involvement with mobile telecommunication 4) Mobile communication policy	Each trainee

Program	Title	Lecturer
Lecture	Standardization of Radio Systems - Activities of ARIB -	Mr. SAITO Kazumasa Executive Manager on international affairs, ARIB
	Recent Activities of 5G/Beyond 5G Standardization in Japan	Mr. NISHIOKA Seiji Executive Director, R&D Headquarters, ARIB
	International standardization activities on ITS Info-Communication Systems	Mr. OYAMA Satoshi Senior Researcher, R&D Headquarters, ARIB (As of March 2022)
Program	Title	Presenter
Online Technical Tour	Fujitsu Technology Hall Tour	FUJITSU LIMITED
	NEC Future Creation Hub Online Tour	NEC Corporation

### **Symposium to Promote Safe and Secure Radio Usage in Medical Institutions**

MIC and the Electromagnetic Compatibility Conference Japan (EMCC), for which ARIB works as secretariat, held a "Symposium to Promote Safe and Secure Radio Usage in Medical Institutions" in an on-demand style from 1 to 22 March 2022.

In collaboration with MIC, the Electromagnetic Compatibility Conference Japan (EMCC) had published the "Guide for Safe and Secure Use of Radio Waves in Medical Institutions" in April 2016 and revised it in July 2021, reflecting the latest technological trends such as expanded use of wireless LAN and 5G.

EMCC also cooperated in creation of the "Building Guidelines and Explanations Considering Radio Wave Equipment in Medical Institutions" published by the Architectural Institute of Japan in September 2021.

At this symposium, above-mentioned "Guide for Safe and Secure Use of Radio Waves in Medical Institutions" (revised edition) and "Building Guidelines" were disseminated, technical examples to use radio waves safely and securely at medical institutions were introduced, and also the Lecture and Panel Discussion were held on the themes such as safe and secure use of radio waves and hospital construction.

1,213 people applied for the symposium, 44% of whom were engaged in medical care and 29% of whom were involved in the manufacture of medical devices. Due to the on-demand method, many medical professionals were able to participate.

The program of the Symposium was as follows.

Lecturer	Title	Speaker
<b>1. Opening</b>		Mr. NAKANISHI Yusuke State Minister for Internal Affairs and Communications (MIC)
		Mr. FUKUCHI Hajime Chairman of EMCC
<b>2. Session1:</b>		
	"Guide for Safe and Secure Use of Radio Waves in Medical Institutions" (Revised edition)	Prof. KANO Takashi Chairman of EMCC's Committee for Radio Use Promotion in Medical Institution, Jikei Medical Science Graduate University
<b>3. Session2: Possibility of new use of radio waves in medical institutions</b>		
(1)	Realization of telemedicine with 5G high-definition images with smart glasses and tablets, Demonstration of hands-free at the paramedic, Demonstration of vendor-free with a general-purpose machine	Mr. TAKAYAMA Satoshi transcosmos inc.
(2)	"On-site visualization" solution that can be started tomorrow by utilizing two radio waves	Mr. KOMURO Hideaki Safie Inc.
(3)	Laying Wi-Fi for patients - safe and secure use of radio waves -	Mr. WAKAMURA Tomoyuki Cisco Systems, Inc.
(4)	Benefits in medical field of introducing wireless LAN for patients	Mr. KATO Noriyasu Allied Telesis K.K.
(5)	Biological monitoring system using wireless LAN	Mr. TAKANASHI Tetsuya COVIDIEN JAPAN INC.
<b>4. Session3: Efforts to use safe and secure radio waves in medical telemeters</b>		
(1)	Radio environment management of medical telemeters using alarm reports	Mr. KAMAYA Shin-ichi NIHON KOHDEN CORPORATION
(2)	Examples of efforts for safe and secure use of medical telemeters	Mr. ITABASHI Nobuyoshi Fukuda Denshi Co., Ltd
(3)	Continuous monitoring of radio wave condition by SDR	Mr. KAWABE Manabu Saitama University
<b>5. Panel discussion: "Safe and secure use of radio waves and hospital construction"</b>		
Coordinator and Moderator		Prof. KANO Takashi Jikei Medical Science Graduate University
		Prof. HANADA Eisuke Saga University

Presentation	Building guidelines that consider radio wave equipment in medical institutions - for Medical Telemeter -	Mr. ENDO Tetsuo Architectural Institute of Japan, TAISEI CORPORATION
	Organizing the current status and issues of plans for medical telemeter in medical facilities	Mr. KAWAI Mitsuo Healthcare Engineering Association of Japan, Nikken Sekkei Ltd
<p>Panelists:</p> <p>Mr. ENDO Tetsuo (TAISEI CORPORATION)</p> <p>Ms. OHARA Shiho (Saiseikai Yokohamashi Tobu Hospital)</p> <p>Mr. OMICHI Michihiro (Vice President, Japan Hospital Association)</p> <p>Mr. KAWAI Mitsuo (Nikken Sekkei Ltd)</p> <p>Dr. NAGASHIMA Kimiyuki (MD Executive Board member, Japan Medical Association)</p>		
Case study of medical practice		Mr. MATSUZUKI Masaki Mie University
		Mr. FUJII Kiyotaka Kobe City Nishi-Kobe Medical Center



**Association of Radio Industries and Businesses**

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