

Newsletter ARIB SEASON



No.0029

ARIB won the 72nd Annual Technology & Engineering Emmy® Awards

With the contribution to the "Standardization and Commercialization of Television - Broadcast, Hybrid Electrical and Fiber-Optic Camera Cable and Connectors", which is stipulated in BTA S-1005B "INTERCONNECTION FOR HDTV STUDIO EQUIPMENT", one of the ARIB technical reports in the broadcasting field, ARIB won the 72nd Technology and Engineering Emmy® Award, jointly with SMPTE (Society of Motion Picture and Television Engineers), EBU (European Broadcasting Union), LEMO, Belden and NEMAL ELECTRONICS.

The Award is one of the Emmy Awards given once a year by The National Academy of Television Arts & Sciences (NATAS) to individuals, companies, science and technology organizations who have made innovative or pioneering achievements in development and standardization in the television or broadcasting field. The Technology and Engineering Emmy award targeted "Standard Cable and Connector for Digital Video Transmission Camera" which was added to the technical report in 1997.

The awards ceremony will be held at the NAB Show on 10 October 2021.

* Press Release by NATAS: <https://theemmys.tv/tech-72nd-award-recipient/>

CJK the 60th IMT Working Group Meeting

CJK IMT Working Group Meeting aims to exchange information and views about the activities of international IMT standardizations in ITU-R, APT, 3GPP, etc. among the members of SDOs in China, Japan and Korea. It is also intended to prepare joint contributions for international meetings such as ITU-R SG5 Working Party 5D (WP5D), and regularly held three times a year. The 60th IMT Working Group Meeting was held online in January 2021.

1. Outline of the Meeting

Schedule: 20 - 21 January 2021

Venue: (Online meeting)

Participants: ARIB (Japan) 16, CCSA (China) 39, TTA (Korea) 16

2. Main Results

(1) Results of ITU-R SG5 Working Party 5D (WP 5D) the 36th, 36bis meetings and 3GPP meeting were reviewed, and the views on issues to be studied were shared.

(2) Progress in preparation in each country for the WP5D the 37th meeting to be held from 1 March was reported.

It was decided that a draft new recommendation on out-of-band emission and a draft liaison statement to ITU-D on e-Health which were proposed by Japan would be continued discussion including possibility of making them joint contribution of three countries.

(3) Japan presented establishment in December 2020 by MIC of "Beyond 5G Promotion Consortium" and "Beyond 5G New Management Strategy Center". Korea introduced the technical report on 6G compiled by TTA.

(4) Activities on "Local 5G" in Japan attracted much attention, and it was decided that its information regarding Local 5G would be exchanged at this meeting in the future.

3. Future Plan

The next CJK IMT Working Group Meeting will be held online in May 2021.

The 2nd General Assembly of 5GMF

The 2020 2nd General Assembly of the 5GMF (The Fifth Generation Mobile Communications Promotion Forum) was held from 1 to 12 February by e-mail deliberation due to the pandemic.

The income and expenditure settlement for fiscal 2019, the business plan and income and expenditure budget for fiscal 2020, both of which had been treated provisional, were approved as proposed there.

There was the report regarding the establishment of the two institutions. One was the "Local 5G Promotion Public-Private Liaison Committee" organized in 5GMF in January 2021, which was participated by the government bodies such as MIC and related organizations. The other was the "Beyond 5G Promotion Consortium" established in December 2020 in collaboration with industry, academia and government. The Consortium and ARIB became special member of each other.

Seminar for Electromagnetic Environment Committee members

The seminar organized by the Public Relations Subcommittee of Electromagnetic Environment Committee (one of the committees in ARIB) was held online on 2 March 2021, with 42 audience attended. This seminar is held every year, aiming at introducing to the committee members the latest research trends on radio wave safety and radio wave protection compatibility, movements of the international institutions such as WHO (World Health Organization), ICNIRP (International Commission on Non-Ionizing Radiation Protection, IEC (International Electrotechnical Commission), IEEE (The Institute of Electrical and Electronics Engineers, Inc.) and NTP (National Toxicology Program). The program was as follows.

	Speaker	Title
(1)	Ms. HIRASUGI Aki JAPAN NUS Co., Ltd.	Movement of citizens' organizations related to 5G in Japan and abroad
(2)	Mr. IYAMA Takahiro NTT DOCOMO, INC.	The new standard of SAR measurement method

The 6th Workshop for Connected Vehicles using LTE/5G

"The 6th Workshop for Connected Vehicles using LTE/5G" was held as an online seminar on 22 March 2021, jointly organized by Advanced Wireless Communications Study Committee of ARIB, 5GMF and ITS Info-communications Forum.

At the workshop, experts gave lectures on the revised "Issue Survey Report on Advanced ITS and Automated Driving Using Cellular Communications Technologies" developed by Cellular System Task Group of ITS Info-communications Forum. In addition to the introduction of key issues, they expressed expectation for a wide range of industries to participate to the study and suggest new ideas. The workshop was moderated by Mr. NAKAMURA Takehiro, Chief of Cellular System TG, ITS Info-communications Forum, and also Chief of 5G Connected Vehicle Ad Hoc, 5GMF.

There were various Q&A and supplementary explanations exchanged.

1. Outline of the Workshop

- Title of the Event The 6th Workshop on Connected Vehicles using LTE/5G
- Schedule 22 March 2021
- Venue (Online Seminar)

- Co-organizers
 - LTE V2X Support Ad Hoc, Mobile Partnership Subcommittee, Advanced Wireless Communications Study Committee, ARIB
 - 5G Connected-Vehicle Ad hoc, 5GMF
 - Cellular System Task Group, Advanced ITS Information Systems Committee, ITS Information-communications Forum
- Participants About 150 (from entities related to ITS, automobile and telecommunication industries)

2. Program

Title	Speaker	Outline
Introduction	Mr. NAKAMURA Takehiro	- Abstract of "Issue Survey Report on Advanced ITS and Automated Driving Using Cellular Communications Technologies" revised in January 2021
Communication System and Trend of Standardization	Mr. SUZUKI Hidetoshi Panasonic	- Differences in configuration between wide area communication (V2N) and DSRC (V2V / V2I / V2P) in the C-V2X system - Status in 3GPP releases - Features of wide area communication and DSRC embodied by NR (New Radio)
Status of frequency allocation	Mr. SHIROTA Masakazu Qualcomm Japan	- Frequency allocation trends for ITS in the world such as US, Europe, China - Introduction of the frequency situation for ITS in Japan: Current status of existing 760MHz and 5.8GHz bands, Technical study status regarding communication for V2X using the 5.9GHz band. - Progress in frequency allocation to 5G (the 5th Generation) wide area communication
Use cases where the communication is expected	Mr. NAKAMURA Syunsuke Toyota Motor Corporation	- Use cases added to the revised report where DSRC and wide area communication coexist - Examples of five major use cases
Communication architecture	Mr. ITO Akira KDDI	- Requirements for DSRC architecture - Issues to be studied for wide range communication

Business model	Mr. ABE Junichi NTT DOCOMO	<ul style="list-style-type: none"> - Stakeholders for each use case - Cost factors in Cellular V2X - Concept of cost burden in V2V and V2I/N based on the benefit principle - Example of three business models depending on the service and targeted range
Issues and Summary	Mr. ABE Junichi NTT DOCOMO	



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