

# Newsletter ARIB SEASON



No.0027

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#### **CJK the 59th 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, etc. among the members of SDOs in China, Japan and Korea. The 59th IMT Working Group Meeting was held online in September.

#### ◆ **Outline of the Meeting**

Schedule: 2 - 3 September 2020

Venue: (Online meeting)

Participants: ARIB (Japan) 13, CCSA (China) 23, TTA (Korea) 15

#### ◆ **Main Results**

- (1) After the results of ITU-R SG5 WP5D (the 35th) and 3GPP meetings were confirmed, agenda items to study for the future were agreed on.

(2) Progress on preparation for ITU-R SG5 WP5D the 36th meeting to be held in October was reported from each country, and it was agreed on to continue working on the joint contribution in the field such as IMT-2020 radio interfaces and C-V2X.

(3) At SIG (Special Interest Group)-Spectrum, allocation in each country of frequency bands identified for IMT was reported. At SIG-Future-IMT, each country's efforts on 6G were introduced and views were exchanged on the focused technologies and frameworks. Japan presented "Beyond 5G Promoting Strategy" which had been published by MIC in June 2020.

◆ **Future meeting schedule**

The next CJK IMT WG Meeting will be tentatively scheduled in January 2021 in Japan.

<b>The 26th Meeting of APT Wireless Group (AWG-26)</b>
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The 26th Meeting of APT Wireless Group (AWG-26) was held in September.

◆ **About the APT Wireless Group (AWG)**

APT (Asia-Pacific Telecommunity) Wireless Group, AWG, studies the harmonization and standardization of the frequency and technical matters aiming at enhancement and dissemination of Wireless telecommunication of wireless communication systems in the Asia-Pacific region. The meeting has been held usually about twice a year, and the experts of the wireless technology of each country in this region join the meeting.

Mr. Van Tuan served as a chairperson from this time, taking after Dr. Kohei Sato (formerly from ARIB) who had been in the position until the previous meeting.

◆ **Outline of the Meeting**

- Schedule 14 - 18 September 2020
- Venue (Online meeting)
- Participants 450 people from administrations, private organizations and international organizations in the Asia-Pacific region  
58 people as the Japanese delegation headed by Mr. Yuji Tanada (Deputy Director of International Frequency Policy Office, MIC) including 4 from ARIB

◆ **Main results**

In AWG, three working groups (WG: Frequency, Technology and Service/Application) were set, in each of which sub working groups or task groups have been established for the issues.

The main results of the meeting from each WG were as follows.

(1) WG Spectrum

- The report on the 4800-4990MHz frequency arrangement has been completed and approved.
- In the study of frequency sharing, a report on the availability of LAA (Licensed Assisted Access) and 5G NR-U aimed at increasing network capacity and improving user experience was approved.

(2) Others

- APT Secretary-General Areewan Haorangsi, who would conclude his term at the meeting, expressed appreciation for cooperation so far.

◆ **Future meeting schedule**

The next AWG-27 meeting is scheduled from March to April 2021, and it depends on the spread of the new coronavirus whether it will be held online or face-to-face.

<b>The 10th Regular Meeting with Brazilian SBTVD Forum</b>
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◆ **About the Meeting with SBTVD Forum**

ARIB / DiBEG is promoting dissemination of ISDB-T in Latin American countries in collaboration with the SBTVD Forum (a standardization organization for terrestrial digital broadcasting in Brazil). Until the spread of the new coronavirus, regular meetings had been held between both parties, exchanging views and opinions during at the occasion of the “SET EXPO” (every August) and the “NAB Show” (every April).

This year, the 10th regular meeting was held in the form of online conference because "SET EXPO 2020" was organized online.

◆ **Outline of the Meeting**

- Schedule 17 September 2020
- Venue (Online meeting)
- Main participants

SBTVD Forum:

Mr. José Marcelo do Amaral (President),

Mr. Aguinaldo Boquimpani (Director)

SET (A Sociedade Brasileira de Engenharia de Televisão):

Mr. Carlos Fini (President),

Mr. Olímpio José Franco (Superintendent)

MCTIC (Ministério da Ciência, Tecnologia, Inovações e Comunicações):

Mr. Roberto Ramos Colletti (Director of the Department of  
Commercial Broadcasting)

DiBEG (Digital Broadcasting Experts Group):

Dr. Masayuki Sugawara (Chairman)

MIC (Ministry of Internal Affairs and Communications):

Ms. Chie Fukushima (Director for Digital Broadcasting Technology,  
Broadcasting Technology Division)

Mr. Keiji Hattori (Deputy Director, Broadcasting Technology Division),

Mr. Kenji Kaneko (Director for International Policy Coordination,  
International Cooperation Division)

Mr. Kunihiko Yamamoto (Deputy Director, International Cooperation Division)

Companies:

Mr. Okano, Mr. Kambara (NHK), Mr. Nagai (NEC),  
Mr. Miyashita (Hitachi Kokusai Electric), Mr. Hoshino (ACCESS),  
Mr. Sakaguchi (JTEC), Mr. Anazawa (TBS), Mr. Takechi (IPTV Forum)

Secretariat:

Mr. Nakamura (Deputy Director), Mr. Sakuma, Mr. Isobe

#### ◆ Main Results

##### (1) Next-generation terrestrial broadcasting

The Japanese side introduced the Advanced ISDB-T sessions scheduled for IEEE Symposium on Broadband Multimedia Systems and Broadcasting 2020 (BMSB 2020) to be held in October where person involved in broadcasting from such as NHK, SONY and Mackenzie Presbyterian University would plan to participate.

##### (2) Revision of the joint document by ABNT (Associação Brasileira de Normas Técnicas: Brazilian Association of Technical Standards) / ARIB

Regarding the revision of Ginga Standard, Brazilian side explained that the Test Suite of Ginga Profile D ("DTV Play") had been completed in July, that the first product of DTV Play receiver will be released within the next year, and that ABNT No. 15606 will be published in Portuguese in November, followed by the English edition.

##### (3) EWBS (Emergency Warning Broadcasting System)

Brazilian side explained that they are paying attention to the compatibility of the current TV 2.5 and the next-generation terrestrial digital broadcasting (TV 3.0) interfaces when working on the joint document for EWBS.

Japanese side explained the content of the presentation on EWBS given at the IEEE Webinar (on 3 September) and the importance of unifying the EWBS standards among the ISDB-T adopting countries.

##### (4) SET eXPerience

Mr. Olimpio Franco (Superintendente) and Mr. Carlos Fini of SET (Sociedade Brasileira de Engenharia de Televisão) informed that "SET EXPO2020", which had been postponed to December, will be changed to an exhibition on digital named as "SET eXPerience" aiming at 80,000 visitors because the corona virus disaster has not been settled.

#### ◆ Future meeting schedule

The Next 11th regular meeting is planned to be held online in March or April in 2021.

### The 1st APG-23 (APG23-1) meeting

APG-23 (Asia-Pacific Telecommunity Conference Preparatory Group for WRC-23) is responsible for preparing the APT Common Proposal towards the World Radiocommunication Conference to be held in 2023 (WRC-23). Dr. Kyu-Jin Wee (Korea) serves as a chairman.

The 1st meeting of APG-23 was held in September.

◆ **Outline of the meeting**

- Schedule 24 - 25 September 2020
- Venue (Online meeting)
- Participants 448 people from 26 APT member countries and other regions, international organizations in the Asia-Pacific region.  
65 people as the Japanese delegation headed by Mr. Kazuaki Nakakoshi (Director of International Frequency Policy Office, MIC) including 4 from ARIB.

◆ **Main results**

At this meeting, study framework for WRC-23 was established, and the chairs of each working party (WP) were decided. (Drafting chairpersons will be decided at the next meeting.)

(1) Chairs

- APG-23 Chair: Dr. KyuJin Wee (Korea)  
 APG-23 Vice-chairs: Mr. Muneo Abe (Japan), Ms. Zhu Keer (China)  
 Editor-in-chief: Mr. Christopher Hose (Australia)

(2) WG (Working Group) structure

Working Party (WP)	WRC-23 AI (Agenda Item) in charge	Chairs
WP1 Fixed, Mobile, Broadcasting	AI 1.1 <sup>*1</sup> , 1.2, 1.3, 1.4, 1.5, 9.1(c), and RR No21.5 <sup>*1</sup> AI 1.1 will be addressed in collaboration with WP2	Mr. Hiroyuki Atarashi (Japan) Dr. Jae Woo Lim (Korea)
WP2 Aeronautical, Maritime	AI 1.6, 1.7, 1.8, 1.9, 1.10, 1.11 and Res.427(WRC-19)	Mr. Bui Ha Long (Vietnam)
WP3 Science	AI 1.12, 1.13, 1.14, 9.1(a), (d) and Res.655(WRC-15)	Mr. Wahyudi Hasbi (Indonesia)
WP4 Satellite	AI 1.15, 1.16, 1.17, 1.18, 1.19, 7	Ms. Fenhong Cheng (China) Mr. Mrunmaya Pattanaik (India)
WP5 General	AI 2, 4, 8, 9.1(b),10	Dr. Taghi Shafiee (Iran)

(3) Working Plan

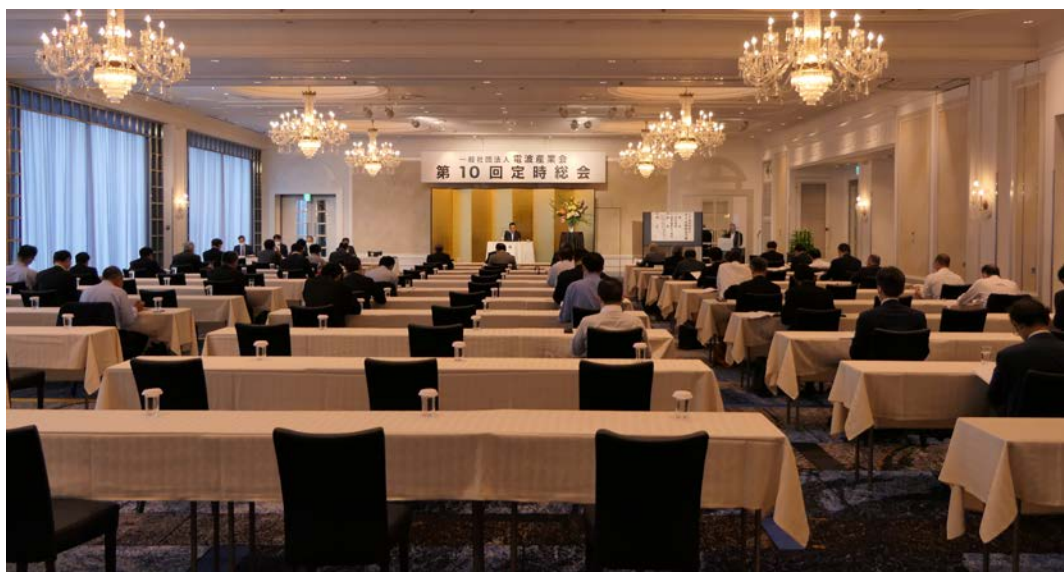
It was tentatively agreed to set 6 meetings (including this time) as follows, and it was assumed that it would be reviewed as needed according to the progress.

- APG23-2: March or April 2021  
 APG23-3: November 2021  
 APG23-4: June or July 2022  
 APG23-5: January 2023  
 APG23-6: July or August 2023

## The 10th Annual General Meeting and the 30th Board of Directors of ARIB

The 10th Annual General Meeting, and the 30th Board of Directors of ARIB were held on 25 September 2020, at the Hotel New Otani, in Tokyo.

Business and financial report of the fiscal year 2019, elected officers and Management Advisory Committee members had been approved at the General Meeting, and Mr. Katsuaki Nomura was elected as a new chairman at the Board of Directors held after the General Meeting.



The 10th Annual General Meeting

## Standards

### 1. Newly established Standards at Standard Assembly on 28 September 2020

STD Number	Standard Name	Version
STD-T121	400MHz-band Digital On-board Vessel Communications Equipment	Ver.1.0

This standard specifies digital on-board vessel communication equipment using the SCPC (Single Channel Per Carrier) system with a QFSK (Quadrature Frequency Shift Keying) modulation method for 400MHz band.

\* This standard applies only to systems with a channel spacing of 6.25 kHz, which is one of that specified in ITU-R Recommendation M.1174-3.

STD Number	Standard Name	Version
STD-B77	Common Media File Format for UHDTV Program Exchange	Ver.1.0

This standard specifies the standard file format used for UHDTV program exchange, and applies to file formats used between broadcasting stations or between broadcasting station and content production studio.

## 2. Revised or abolished Standards at Standard Assembly on 28 September 2020

STD Number	Standard Name	Version
RCR STD-20	Voice Communication Radio Equipment for Specified Low Power Radio Station	Ver.5.0
RCR STD-31	Voice Communication Radio Equipment of a Business Activity (1mW and Less Conducted Power) for Land Mobile Radio Station	Ver.4.0
STD-T73	Sensors for Detecting Or Measuring Mobile Objects for Specified Low Power Radio Station	Ver.2.0
STD-T86	Regional Digital Simultaneous Communication System	Ver.3.2
STD-T115	Regional Digital Simultaneous Communication System TYPE2	Ver.2.2
STD-T94	Broadband Mobile Wireless Access System (WiMAX™ applied in Japan)	Ver.4.0
STD-T95	OFDMA/TDMA TDD Broadband Wireless Access System (XGP)	Ver.4.0
STD-T120	IMT Systems based on 3GPP Specifications	Ver.2.00



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