

Newsletter ARIB SEASON

August 2025



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The 34th Meeting of APT Wireless Group (AWG-34)

The APT (Asia-Pacific Telecommunity) Wireless Group (AWG) works on harmonizing spectrum usage and standardization to enhance and promote radiocommunication systems in the Asia-Pacific region. The meeting is usually held twice a year and brings together wireless technology experts from across the region. Mr. Le Van Tuan (Vietnam) serves as Chair.

1. Meeting Overview

- Schedule: 31 March – 4 April 2025
- Venue/Method: Kathmandu, Nepal
(online participation available for the plenary session only)
- Participants:
329 attendees, including representatives from administrations, private organizations, and international organizations in the Asia-Pacific region. The Japanese delegation consisted of 71 members, led by the Ministry of Internal Affairs and Communications (MIC), including 4 from ARIB.

2. Main Results

AWG has four working groups: WG on Harmonization, WG on IMT, WG on Terrestrial, and WG on SAM (Space, Aeronautical, and Maritime), each supported by sub-working groups or task groups addressing key issues for APT Members. The main outcomes related to IMT and ITS are as follows:

➤ IMT

(1) Frequency

- ① *APT Report on Trends and Spectrum Developments for IMT Usage in 2025-2030 in the Asia-Pacific Region* was revised to include additional information on the importance of mid-band (1-7 GHz).

- ② *APT Report on the Status of Implementation of the APT700 Band Plan* was updated with new data from nine countries, including Japan.

(2) Technology

- ① *APT Report on Deployment Approaches and Solutions for IMT-2020/5G Use Cases* was finalized, providing global insights and addressing technical, operational, and regulatory challenges.
- ② A new study on potential use cases and applications of IMT-2030/6G was initiated. A work plan and working documents were developed, aiming for completion by AWG-37.
- ③ The second 6G workshop was held, featuring presentations from ITU-R, 3GPP, GSMA, and GSOA. Key discussions covered:
- Increased workload for organizations like 3GPP due to higher performance requirements for IMT-2030
 - Integration challenges between terrestrial and non-terrestrial networks
 - How APT/AWG can share these challenges with 3GPP and ITU-R

➤ ITS

Japan submitted contributions based on studies by the ITS Info-communications Forum (ITSF), for which ARIB serves as secretariat.

- ① For the draft report on millimeter-wave radars/sensors for ITS, Japan proposed additions to the 24 GHz, 76 GHz, and 79 GHz bands in Chapter 1 (Introduction). The working document was updated to include these and China's previous responses.
- ② Regarding road-vehicle cooperation systems, an agreement was reached to include information on demonstration cases in an annex of the draft report. The working document was updated accordingly.

3. Next Meeting

AWG-35 is scheduled for 8–12 September 2025 in Bangkok, Thailand.

The 73rd IMT Working Group Meeting of CJK

The CJK IMT Working Group facilitates information sharing and discussions among SDOs in China, Korea, and Japan on international IMT standardization activities within ITU-R, APT, 3GPP, and other organizations. It also coordinates joint contributions to ITU-R SG5 WP5D.

1. Meeting Overview

- Schedule: 27–28 May 2025
- Venue/Method: Jeju, South Korea (online participation available)
- Participants : CCSA (28 participants), TTA (17 participants), ARIB (19 participants)

2. Main Results

(1) Information Sharing

Participants shared the outcomes of the 48th WP5D meeting, the 34th AWG (APT Wireless Group) meeting, and recent 3GPP activities, and exchanged views on future study topics.

(2) Preparation for WP5D

Progress in each country for the 49th WP5D meeting, scheduled to begin on 24 June, was reviewed. Items requiring further study and specific work plans were identified.

(3) Technical Performance Requirements (TPR) for IMT-2030

Discussions focused on unresolved issues and approaches to setting target values for the TPR of IMT-2030 radio interfaces. It was agreed to continue information exchange.

(4) Evaluation Guidelines (Draft Report ITU-R M.[IMT-2030.Eval])

Participants discussed essential usage scenarios, geographical environments, and evaluation methods to be included in the guidelines for assessing IMT-2030 radio interfaces.

(5) Submission Guidelines (Draft Report ITU-R M.[IMT-2030.Submission])

Views were exchanged on the proposed working schedule and draft outline for the report, which defines submission procedures and evaluation criteria. The possibility of a joint contribution will continue to be discussed.

(6) Protection Criteria for IMT Base Stations

Opinions were exchanged on protection criteria related to frequency sharing and compatibility studies, including issues associated with WRC-27 Agenda Item 1.7 on terrestrial IMT.

(7) Direct Communication Between Terrestrial and Satellite Systems

Discussions were held on protection criteria for terrestrial IMT base stations and user terminals in relation to WRC-27 Agenda Item 1.13. It was agreed to continue these discussions.

3. Next Meeting

The next CJK IMT Working Group Meeting will be held in Sapporo, Japan, on 2–3 September 2025.

<p>The 15th Annual General Assembly and the 46th Board of Directors Meeting of ARIB</p>
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The 15th Annual General Assembly and the 46th Board of Directors meeting of ARIB were held on 26 June 2025 at Hotel New Otani, Tokyo.

The business and financial reports for FY2024 (April 2024–March 2025) were approved, along with the appointment of new board members and Management Advisory Committee members.

Immediately after the General Assembly, at the Board of Directors meeting, Mr. Kenichiro Yoshida was elected as the new Chair, succeeding Mr. Taro Shimada.



The 15th Annual Assembly

The 36th Radio Achievement Award

The 36th Radio Achievement Awards Ceremony was held on 26 June 2025, following the 15th ARIB General Assembly. These awards are presented annually by the Ministry of Internal Affairs and Communications (MIC) and the ARIB Chair to individuals and organizations that have made outstanding contributions to the efficient and appropriate utilization of radio spectrum.

This year's awardees are as follows:

- ◆ The Award of the Minister of Internal Affairs and Communications (Special Award commemorating ARIB's 30th Anniversary)
 - (1) Development, Commercialization, and Deployment of Fifth-Generation (5G) Mobile Communication Systems
NTT DOCOMO, INC., KDDI CORPORATION,
SoftBank Corp., Rakuten Mobile, Inc.,
Fifth Generation Mobile Promotion Forum (5GMF)
 - (2) Development, Commercialization, and Deployment of 4K/8K Satellite Broadcasting
NHK Science & Technology Research Laboratories (NHK STRL),
The Association for Promotion of Advanced Broadcasting Services (A-PAB)

◆ The Award of the Minister of Internal Affairs and Communications

- (1) The Advanced Land Observing Satellite-4 "DAICHI-4" (ALOS-4) has achieved an expanded observation swath with L-band synthetic aperture radar and a RF direct downlink speed of 3.6 Gbps from the satellite to ground stations, certified by GUINNESS WORLD RECORDS™

Japan Aerospace Exploration Agency (JAXA), Mitsubishi Electric Corporation

- (2) Remarkable promotion of the smart electricity metering system by Wi-SUN HAN Kyoto University,
National Institute of Information and Communications Technology (NICT),
TOSHIBA CORPORATION / Toshiba Energy Systems & Solutions Corporation

◆ The Award of the Chair of the Board of ARIB

- (1) Achievement of 100-Gbps high-speed wireless transmission in sub-terahertz bands towards 6G

NTT DOCOMO, INC., NTT, Inc., NEC Corporation, Fujitsu Limited

- (2) Development of multi-layer video coding technologies for next-generation broadcast systems

NHK Science & Technology Research Laboratories (NHK STRL)

- (3) Liquid-crystal Meta-surface Reflector for Millimeter-wave Coverage Enhancement
KDDI Research, Inc., Japan Display Inc. (JDI)



Commemorative photo with the Award winners

General Assembly of ITS Info-communications Forum

The ITS Info-communications Forum (ITSF) was established to promote advancements in the roadway, transportation, and automotive sectors through the adoption of advanced Intelligent Transport Systems (ITS), with a particular focus on research, development, and standardization of information and communications technologies. The ITSF comprises nearly 100 members from industry and government sectors, and ARIB acts as its secretariat.

The General Assembly of ITSF was held on 19 June 2025 at Meiji Kinenkan Hall in Tokyo, with approximately 80 members in attendance. Business and financial reports for FY2024, as well as the business plan and budget for FY2025, were approved. Board members and Management Committee members for 2025 were also appointed.

Following opening remarks by ITSF Chair Mr. Keiji Yamamoto (Chief Officer, Digital Information and Communication Division, Toyota Motor Corporation), a guest speech was delivered by Mr. Naohiko Ogihara from the Ministry of Internal Affairs and Communications.

Highlights of the FY2024 Business Report

It was reported that the following activities were promoted:

- Practical application and deployment of ITS Radiocommunication systems that improve safety, security, and convenience
- Consideration of V2X systems required for automated driving, including:
- Participation in international standardization activities (ITU-R, AWG)
- International cooperation and promotion activities at the ITS World Congress in Dubai, etc.
- Holding various seminars to share international trends and initiatives related to mobility and communications.

FY2025 Business Plan

Planned initiatives were presented:

- Contribution to autonomous truck field testing planned by the Japanese Government through enhancement of 5.9 GHz V2X communication technology
- Promotion of international standardization for automated driving and ITS Radiocommunication systems
- Strengthening collaboration with overseas experts



General Assembly of ITSF



Association of Radio Industries and Businesses

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