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ABU Technology Activity Report for TC-2026

The ABU Technology Department had a productive period, marked by extensive preparations and the successful execution of our flagship symposium, DBS 2026, alongside a wide range of specialized workshops, webinars, and training programmes. Our core focus remained on key technological trends such as artificial intelligence, media provenance, cloud services, 5G broadcast, and evolving media integration. The detailed activities below underscore our commitment to knowledge exchange and technical excellence across the membership.

Workshop on Radio Production Technologies

Dates and Location: 28–30 October 2025

The three-day workshop on Radio Production Technologies brought together broadcasters and production professionals to explore current tools and workflows in radio broadcasting. The event attracted 48 participants, with 20 attendees from ABU member organisations, representing 12 organisations in total, of which 3 were member organisations. The sessions featured 6 speakers.



VOV Technical Workshop

Dates and Location: 25–26 November 2025, Hanoi and Ho Chi Minh City, Vietnam

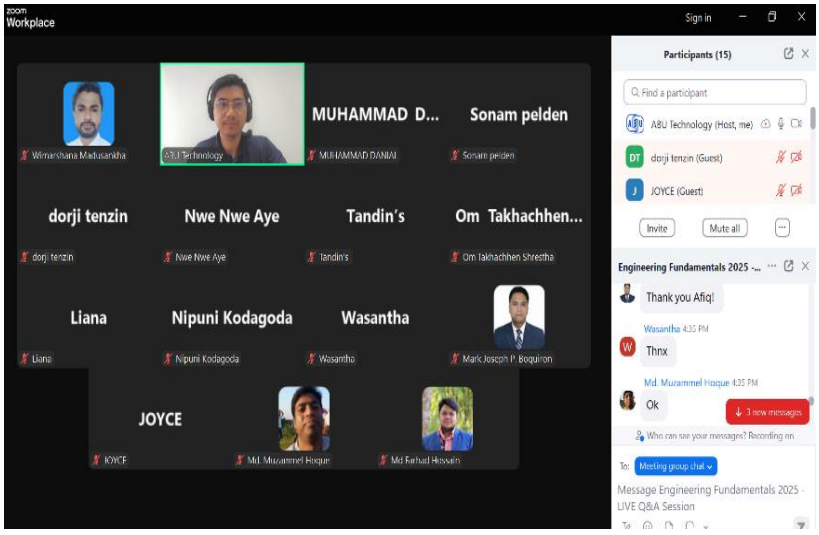


At the request of VOV-Vietnam, ABU Technology provided technical advisory support for the development of VOV's National Online Radio platform. The initiative included workshops in Hanoi and Ho Chi Minh City covering AI applications in media, global trends, AI regulations, technical insights from KBS, and podcast production, with a focus on helping VOV adopt AI-driven tools for radio and digital content development. The workshop attracted around 25 participants from VOV's staff, technicians and engineers. As part of the Technical Advisory Service (TAS), the experts also conducted site visits to review VOV's technical infrastructure and facilities. Additionally, meetings were held with VOV's engineering teams and management to discuss strategic directions and future collaboration.

Engineering Fundamentals for Broadcasters — Level 1 (Batch 2)

Dates and Format: 9 December 2025 – 16 February 2026, online

Following the positive feedback from the Engineering Fundamentals course Batch 1, the Technology Department organised another batch of the Engineering Fundamentals Level 1 training. The course was offered free of charge exclusively to ABU Members and targeted young engineers and newcomers to broadcast engineering. A total of 87 participants from 15 member organisations were selected from the remaining nominees of Batch 1.



Webinar Series on Members' Innovation: Cellular Communication Network Capacities for Broadcast Centers

Date and Format: 4 December 2025, online

The ABU organised another session of its Webinar Series on Members' Innovation, featuring insights from the Islamic Republic of Iran Broadcasting (IRIB). The session, titled "Cellular Communication Network Capacities for Broadcast Centers," was delivered by Dr. Mohieddin Moradi, Director of Research and Development at IRIB-Iran. The webinar brought together broadcasters, engineers, and production professionals to explore the rapid evolution of communication networks and the growing opportunities these advancements create for the broadcast sector. The session attracted 9 participants, all from 4 ABU member organisations, with 1 speaker.



ABU Hosting HFCC A26 Global Shortwave Coordination

Dates and Location: 19–23 January 2026, Kuala Lumpur, Malaysia

The ABU hosted the A26 Global Shortwave Coordination Conference in Kuala Lumpur, jointly organised by the High Frequency Coordination Conference (HFCC) and the Arab States Broadcasting Union (ASBU), with coordination managed by the ABU Technical Department. Approximately 50 frequency managers from Asia, Australia, the Arab States, Europe, and the Americas participated in the five-day event, including 15 attendees from member organisations. In total, the event drew 51 participants from 30 organisations, of which 8 were ABU member organisations, including representatives from IRIB, KBS, NHK, NRTA, SBA and TRT.



DBS 2026: Content, Structure, and Preparation Milestones

The comprehensive program was structured to deliver maximum educational value, featuring 12 conference sessions across three days, along with six workshops and a closing debate. The conference sessions were designed to cover the full spectrum of broadcast evolution.

Day 1 focused on synthetic intelligence, automation, and intelligent media systems, with sessions dedicated to Synthetic Intelligence & Creative Transformation, Advancements in Broadcast Automation Systems & Standards, Intelligent Media Systems: From Archives to OTT Platforms, and Advancements in Broadcasting Technologies and Standards.



Day 2 shifted focus to engineering, cloud infrastructure, and media delivery, covering Advanced Broadcast Engineering: Cloud and System Advancements, Innovative Media Solutions: Deployment and Development, Advancement and Innovation in Media Distribution and Delivery, and Cloud-to-Edge Media Fabric: Building Scalable Broadcast Networks. The day also featured The New Soundscape: Emerging Innovations in Radio Technology, delivered as a dedicated radio workshop.

Day 3 concluded with discussions on security, sustainability, and the future direction of broadcasting, featuring Securing Broadcast Networks in the Digital Transformation Era, Sustainable Broadcasting in the Age of Intelligent Systems, and a closing debate on Internet-First vs. Internet-Also.

Leading up to the event, the team achieved significant milestones: Aqilah oversaw exhibitors and sponsorship, Balqis handled registration and event promotion, and Afiq managed conference speakers and workshops, in addition to coordinating video and

social media promotion alongside Balqis. By the time the symposium opened, 24 exhibitors had confirmed their participation, with 53 speakers registered across 12 sessions — reflecting intense industry interest and the strong reputation DBS has built across the region.

The workshops, essential for practical skills, were led by Astrum, IPPTAR, DVB, WorldDAB, IPSB, and the ABU itself. The ABU session, "Audio 360: Global Trends in Radio, Podcasting and AI," was an interactive workshop led by Andrew Davies, Head of Radio at the ABU.

Technical Bureau Mid-Year Meeting 2026

Date and Location: 3 April 2026, Berjaya Times Square, Kuala Lumpur, Malaysia

The Technical Bureau Mid-Year Meeting 2026 was held following the successful conclusion of DBS 2026. The meeting was attended both physically and online by Technical Bureau members and regional representatives. Key attendees included the Chairperson, Mr. Masashi Kamei of NHK Japan, and Vice-Chairperson, Mr. Nguyen Duc Tuy of VTV Vietnam, along with members from Phoenix TV Hong Kong, Prasar Bharati India, MTV Sri Lanka, SBA Saudi Arabia, and delegates from NBT Thailand.



Additional participants included the Technical Liaison Officer, Mr. Tatsuya Fujii, and Topic Area Chairperson, Dr. Hirokazu Kamoda, both from NHK Japan, as well as Mr. Akhlesh Sharma from Prasar Bharati India. The meeting was attended by 12 participants from 7 organisations.

ABU-CCBN Nexus Event

Date and Location: 22–24 April 2026, Beijing, China

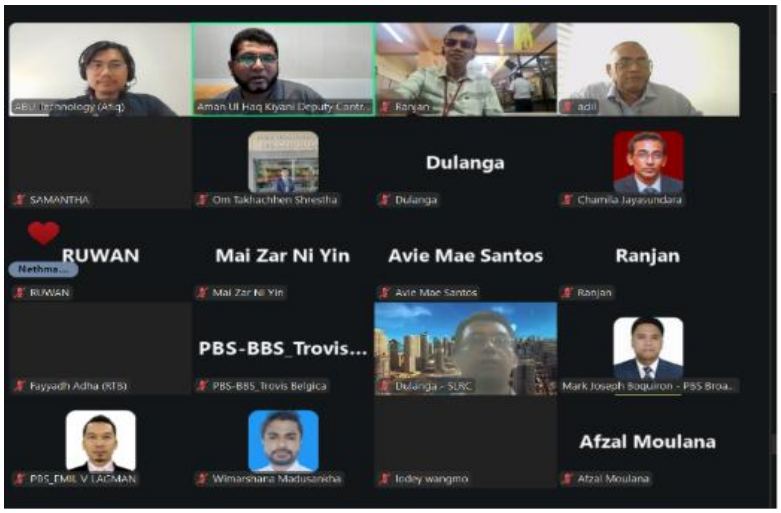
The ABU-CCBN Nexus Event as a collaboration between the Academy of Broadcasting Science, National Radio and Television Administration (PRC), and the Asia-Pacific Broadcasting Union (ABU). Under the theme "How Do We Evolve in the Era of AI," the event featured the CCBN-ABU AI Workshop, which explored AI applications, governance, and emerging technologies in media.

The workshop brought together representatives from ABU members, government agencies, and industry leaders, attracting participants from across the Asia-Pacific region and beyond, including China's NRTA, Korea Broadcasting System (KBS), JSC Khabar Agency, RT, and media professionals from Japan, South Korea, Vietnam, Russia, Kazakhstan, Spain, Hungary, Argentina, and Belarus. Discussions focused on AI-generated content, deep-fake detection, AI-powered media production, and best practices for the responsible adoption of AI in broadcasting.

Engineering Fundamentals for Broadcasters 2026 — Level 2

Dates and Format: 8 June – 6 August 2026, online

Following the successful completion of the Engineering Fundamentals for Broadcasters — Level 1 course, the ABU Technology Department continued the programme with Level 2 for participants who successfully completed Level 1. Out of more than 130 participants who enrolled in the Level 1 course, 92 participants successfully completed the programme and qualified to progress to Level 2. Representing 15 member organisations



across 15 countries, participants provided positive feedback, highlighting that the course significantly enhanced their understanding of the fundamentals of broadcasting technology. The Level 2 course consisted of 8 modules, prepared to provide participants with a deeper understanding of key broadcasting technologies, and drew 96 attendees from member organisations across 17 organisations, supported by 5 speakers.

C2PA Webinar — Building Trust in Media: C2PA, Identity Assertions, and the Future of Media Provenance

Date and Format: 14 July 2026, online — with NHK Foundation, partnering with IPTC



The webinar provided an overview of the latest developments in the Coalition for Content Provenance and Authenticity (C2PA), including identity assertions, conformance programmes, and industry standardisation efforts led by IPTC.

Participants gained insights into how media provenance frameworks are being adopted across the global media industry and discussed at major international forums. The session also explored practical considerations, challenges, and opportunities for broadcasters in the Asia-Pacific region looking to implement media provenance technologies and strengthen trust in their digital output. The webinar drew 55 participants from 30 organisations, of which 20 attendees came from ABU member organisations, with 8 speakers.

WorldDAB-ABU-ASBU Webinar — DAB+: Proven Economics with Continuous Technical Innovation

Dates and Format: 20–22 July 2026, online (three-day workshop)

The ABU, the Arab States Broadcasting Union (ASBU), and WorldDAB once again collaborated to host the ABU-ASBU-WorldDAB Technical Workshop, a dynamic online forum that united broadcasters from around the globe. Over three days, the event drew 144 participants representing 66 organisations, including 48 delegates from 13 ABU member organisations. Broadcasters, engineers, regulators, and policymakers from the Asia-Pacific, the Arab States, Europe, and Africa convened to exchange technical expertise, share practical strategies, and explore market insights for a sustainable digital-radio future. The workshop featured 14 speakers.



Workshop on OTT Engineering: Content Deliveries and Infrastructure

Dates and Format: 11–13 August 2026

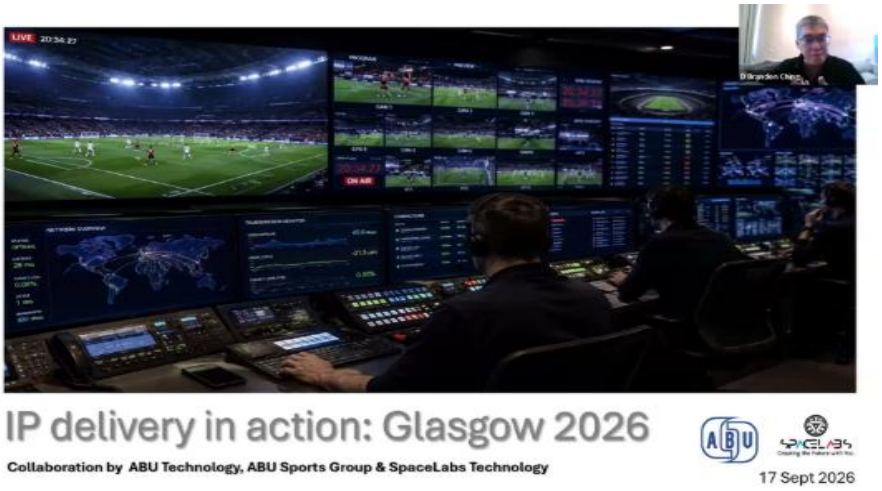


The three-day workshop on OTT Engineering focused on content delivery mechanisms and infrastructure requirements for over-the-top broadcasting services. The particular focus stayed on the OTT technology and development that can help broadcaster enhance and implement to their organization. Speakers shared success stories, common challenges and hurdles and how they found their solutions, common practices, how improvement in technology is evolving OTT and how journey began and what's next in future. The event attracted 47 participants, with 25 attendees from ABU member organisations, representing 18 organisations in total, of which 7 were member organisations. The sessions featured 10 speakers.

Webinar on IP Delivery in Action: Glasgow 2026

Date and Format: 17 September 2026, online

The webinar brought together broadcasters, engineers, and production professionals to explore the practical implementation of IP-based delivery for live sports broadcasting, drawing on ABU's production of four multilateral/multi-feed channels during the Commonwealth Games 2026 in Glasgow. The session was a collaboration by ABU Technology, ABU Sports Group and SpaceLabs Technology, and attracted 13 participants, all from 8 ABU member organisations, with 1 speaker.



Media Provenance Summit Tokyo 2026

Date and Format: 13 October 2026, Tokyo, Japan (In-person only)

Hosted by the Asia-Pacific Broadcasting Union (ABU) in collaboration with the NHK Foundation and partnering with IPTC, the summit was organized by ABU's Media Provenance Summit Japan Project and supported by EBU and the BBC. The event brought together international expertise and real-world implementation perspectives to advance trusted media in the age of AI.

The summit addressed the critical challenge of maintaining trust in media content, shifting the focus from *why* provenance matters to *how* it can be implemented in real newsroom and distribution environments. The event demonstrated significant regional engagement, drawing a total attendance of **230 participants from 66 organisations**. This included strong representation from the ABU membership, with **78 attendees representing 10 member organisations**, highlighting the growing importance of provenance technology across the Asia-Pacific broadcasting community.

A central theme of the summit was the practical application of provenance technology. Case studies were presented focusing on the strategic shift from trying to "catch every fake" to "proving what is real." Presenters shared real-world experiences of implementing C2PA standards to protect against misinformation, deepfakes, and brand impersonation in advertising. These case studies demonstrated that implementation is achievable, highlighting how broadcasters are integrating C2PA capabilities into their workflows—from securing capture devices and hardware security modules to signing content at the point of distribution.

Additional perspectives on implementation and research were shared by representatives from **NHK**, **Adobe**, **Sony**, **Mediacorp** (Singapore), and the **BBC**. The discussions underscored that while C2PA is not a "truth machine," it is becoming an essential piece of infrastructure for accountability and resilience in the generative AI era, providing a concrete roadmap for Asia-Pacific broadcasters.

ABU Recommendation on Media Provenance

As suggested by the TC Chairperson, the Technology Department has prepared the ABU Recommendation on Media Provenance, developed through the reporting period. The Recommendation draws on guidelines and sets out ABU's position on media provenance for the benefit of members considering adoption. It is presented to the Technical Committee for discussion and endorsement.