Doc T-26/20-4

STATUS REPORT

Organisation:	Korean Broadcasting System (KBS), Republic of Korea		
Period:	October 2025 – September 2026	Date of Report:	16 October 2026

PART A

Technical Developments during the past year:

- System upgrades/changes to practices for improved quality/efficiency
  - Transition from SDI to IP-based production (SMPTE ST 2110) – in progress.
  - In-house AI teleprompter introduced (January 2026).
- New Services/new projects initiated
  - "Kairos": in-house generative AI portal for staff (July 2026).
  - "AI Production" hub supporting AI-assisted content production (August 2026).
  - AI voice / TTS reporting piloted for radio and TV news.
  - AI captions and AI audio description provided for FIFA World Cup 2026 coverage.
- Research projects
  - AI data-casting of disaster information for vehicles and mobile devices (MOU with Sinclair, Jan 2026).
- Internet and Mobile Broadcasting Services
  - Existing internet and mobile services (KBS+, KONG) operating stably.
  - Research and review under way on new services linked with AI.

			Radio	Television
Coverage %			90%+ (terrestrial)	90%+ (terrestrial)
Programme Channels			7 (1Radio, 2Radio, 3Radio, 1FM, 2FM, Hanminjok, KBS World)	2 (KBS 1TV, KBS 2TV), HD and UHD
Studios (Production)	File-based Set-up	R	Upgraded	
	SDTV	D		Discontinued
	HDTV	R		SDI to IP in progress (incl. UHD)
	UHDTV	R		UHD production
	IP Based Set-up	N		ST 2110 sub-control rooms, CDR (in progress)
Transmission & Delivery	HF	R	KBS World Radio	
	MF	R	KBS World Radio	
	FM	R	Nationwide FM network	
	TV	R		DTV (ATSC 1.0) and UHD (ATSC 3.0)
	OTT/IBB/Internet Services	R	KONG app	KBS+ app
	Mobile Services	R	KONG app	ATSC 3.0 mobile, KBS+ app

R = Replacement/upgrade
N = New
D = Discontinued

PART B
CURRENT ACTIVITIES

	Activities	**Area**	**Brief Details:** **1. Objectives** **2. Progress to date**	**Challenges/Problems Faced:** **1. Lack of resources** **2. Lack of know-how** **3. Others (e.g. up-skilling)**	**Solutions Implemented/Type of assistance requirement from ABU**
1.	**Development projects/Upgrading facilities/Training**	IP-based production (SMPTE ST 2110)	1. Move production from SDI to IP. 2. In progress.	3. Up-skilling of engineers in IP technology.	In-house training. From ABU: sharing of members' IP migration experience.
		Generative AI in production	1. Use AI across news and programme production. 2. Kairos portal and AI Production hub launched (2026).	3. Data security, copyright and staff AI skills.	Secure in-house platform and training. From ABU: exchange of AI guidelines and use cases.
		AI accessibility services	1. AI captions and audio description. 2. Applied to FIFA World Cup 2026.	3. Accuracy in fast live content.	Partnership with an AI company. From ABU: sharing of accessibility practices.
		AI data-casting for disaster information	1. Disaster information for vehicles and mobile devices. 2. MOU signed (January 2026); verification under way.	3. Receiver ecosystem (ATSC 3.0 devices).	International partnership. From ABU: information exchange on disaster broadcasting.
2.	**Participation in ABU Activities**	**Area**	**Level of Participation**	**Reasons for not participating (though interested)**	
		ABU Technical Committee	Active – delegate and invited speaker at TC 2026 (AI in Broadcasting session)	–	
		ABU Engineering Awards 2026	Jury member	–	
		ABU Members' Innovation Webinar	Speaker (December 2026)	–	
3.	**Suggestions for New ABU Activities e.g. study topic projects, webinars, workshops, symposiums etc, spectrum activities, information exchange platform**	**Activity 1**	Workshop on practical AI deployment in broadcast production	Sharing of guidelines and use cases	KBS can share its experience.
		Activity 2	Training on IP (SMPTE ST 2110) migration	PTP, NMOS, network design and security	KBS can share its experience.
		Activity 3	Joint study on AI for accessibility and disaster information	Common approaches across the region	KBS can share its experience.

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