Doc T-26/20-5

STATUS REPORT

Organisation:	TVB Limited		
Period:	October 2025 to August 2026	Date of Report:	October 12, 2026

PART A

Technical Developments during the past year:

• System upgrades/changes to practices for improved quality/efficiency

1. Adoption of Spine and Leaf network technology for media network infrastructure.
2. Implementation of micro-segmentation to enhance production system security.
3. Enhancement of Central Transcoding Farm facilities to support 4K/UHD file conversion with HDR capability.
4. Migration from LTO-based archiving to an in-house Digital Asset Management (DAM) solution.
5. Adoption of Mini Workgroup editing environments to support diverse production requirements.
6. Enhancement of Sobey HDNLE Media Asset Management onto a Docker platform.
7. Adoption of AI technologies to streamline production and post-production workflows, including subtitle enhancement and workflow automation.
8. Continued SCTE customization to support third-party advertisement insertion for OTT platforms.
9. Ongoing research and development of low-latency solutions for OTT services.
10. Continued adoption of AI-powered video de-noising technologies for SD-to-HD up-conversion.
11. Strengthened cybersecurity monitoring across broadcast and corporate networks.
12. Continued deployment of IP-based and cloud-enabled media infrastructure.
13. Expanded AI integration for live translation and automated subtitle generation.
14. Increased adoption of IP streaming technologies for content contribution, remote production, signal distribution, and OTT delivery.

• New Services/new projects initiated

• Research projects

1. Continue the study of transcoding and cross conversion between SDR and HDR materials.
2. Continue SD HDR and 4K/UHD HDR study.
3. Application of AI technologies on video production workflows.

• Internet and Mobile Broadcasting Services

1. New DTTB technology study
2. 5G HPHT TV study

			Radio	Television
Coverage %			NA	99%
Programme Channels			NA	5 HD
Studios (Production)	File-based Set-up	R/N/D		
	SDTV	R/N/D		
	HDTV	R/N/D		
	UHDTV			
	IP Based Set-up	R/N/D		
Transmission & Delivery	HF	R/N/D	NA	
	MF	R/N/D	NA	
	FM	R/N/D	NA	
	TV	R/N/D	NA	29 sites
	OTT/IBB/Internet Services	R/N/D	NA	
	Mobile Services	R/N/D	NA	

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				
2.	Participation in ABU Activities	Area	Level of Participation	Reasons for not participating (though interested)	
		Digital Broadcasting Symposium (DBS 2026), Kuala Lumpur, Malaysia (30 March - 2 April 2026)	Participant / Attendee Raymond Tang, Assistant Chief Engineer, Transmission, Engineering Division		

3.	**Suggestions for New ABU Activities e.g. study topic projects, webinars, workshops, symposiums etc, spectrum activities,**	**Activity 1**			
		Activity 2			

	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**
	information exchange platform				
		Activity 3			