

STATUS REPORT

Organisation:	Television Broadcasts Limited		
Period:	October 2023 to September 2024	Date of Report:	October 7, 2024

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. Continue the improvement of security measures for content delivery, contribution, and distribution. 3. Continue Central Transcoding Farm facilities enhancement to support and 4K/UHD files conversion. 4. Research of LTO alternatives for deep archive solution. 5. Adoption of Mini Workgroup editing environment for different editing needs. 6. Enhancement of Sobey HDNLE Media Asset Management to a DOCKER platform. 7. Adoption of A.I. Technology to streamline Production / Post Production workflow. 8. Continue SCTE customization for 3rd parties' advertisement systems to insert advertisement for OTT platform. 9. Continue the research of low latency solution for OTT platform. 10. Continue to use A.I. technology to do video de-noising during up-version of SD files to HD. 11. TVB has already deployed loudness control for digital television services in compliance with Hong Kong OFCA's Generic Code of Practice on Television Technical Standards.	
• New Services/new projects initiated 1. Deep archive medium migration from LTO-5 to LTO-9 due to EOL 2. Developing a Production Rundown System to streamline data exchange during Production workflow. 3. Launch of an in-house developed Programmes Preview System for Production colleagues. 4. Deployed Cesium grade time and frequency reference for SFN network and MCR.	
• 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.	
• 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	NA	
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)	
		ABU-DRM Webinar on Delivering Emergency Warnings with DRM	Engineer, update and acquire knowledge (On-line)		
		ABU Webinar - Third Generation AVS Video Coding Standard (AVS3): Features and Applications	Executive & Engineer, update and acquire knowledge (On-line)		
		Intellectual Property Franchise Management for Film and TV Productions.	Engineer, update and acquire knowledge (On-line)		
		Webinar - Remote Production Solution	Engineer, update and acquire knowledge (On-line)		
3.	Suggestions for New ABU Activities e.g. study topic projects, webinars, workshops, symposiums etc, spectrum activities,	Activity 1			

	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 2			
		Activity 3			