



ABU TECHNICAL COMMITTEE MEETING

#ABUTC2020

Doc T-20/20-5

STATUS REPORT

Organisation:	KBS		
Period:	~Nov 2020	Date of Report:	2020.11.23.

PART A

Technical Developments during the past year:

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

1. UHD system upgrade project

- Purchased & installed additional UHD video switchers (VMU), control network switch, major IP module spares.
- Changed the setting of VSM programs for IP Routing.
- Improved production workflow due to increased UHD operating rate
- Strengthened production stability by backing up another video switchers in operation at sub control room.
- Strengthened the network capability for control management and secured main module spares.
- Contributed to improving reliability and satisfaction of UHD production by supplementing UHD broadcasting system
- Improved operational efficiency and respond quickly in the event of a failure.

2. Advertising workflow improvement project

- Improved advertising workflow provides an efficient environment for separate production/transmission of advertisements.
- Existing merged ads transmission workflow was changed to individually transmission-capable ads workflow.
- Formerly, tape-based workflow was changed to file based one.

- Before improving the advertising workflow, the production teams had to create program content & ads content and record them on tape but now ads content are being made in a dedicated system and delivered automatically and systematically to APC of MCR. The process reduces working time and contributes to boosting ads sales more efficiently.

3. Video archive service Improvement and relevant infrastructure replacement

- Improved archival functions including search capabilities, low-resolution previews, and reduced registration, saving & retrieving time.
- Established KBS' official image library and linked to "media factory" currently under construction
- Improved 10 year-old archaic system to minimize inefficiency in archives and effectively reduced the time to produce programs utilizing content inside archives.

4. Video Archive Capacity Expansion Project

- Secured new content storage capacity and provide continuous service for the company's video archive system for 2020.
- Secured storage capacity of contents in headquarters and regional countries for 2020
- Secured related infrastructure as the utilization of archive content increased
- Duly respond to ever-increasing demand of archival content usage.

- **New Services/new projects initiated**

1. Switching to the full based production system of KBS Busan station

- No more production of VCR and Tape(traditional storage) brought in inevitable need for file based new production environment.
- Nationwide introduction of 52-hour workweek(No more extra work) caused shortage of staff.
- Established file-based system & following file production, automatic sending of advertisements

(APC), and automatic linked to the headquarters' archives.

- Introduced a digital newsroom based on electronic cue sheet that can produce and transmit local live closely.
- Contributed to activate local broadcasting and streamline workflow.
- Successfully built a high-quality content production environment by improving the local content production environment.

2. NPS Production Transition Project of KBS Journalism Talk Show J

- Implemented Transition Project(From KDNS "KBS Digital News Room System" to NPS Production) to cope with any troubles caused during production due to different production formats from NPS production system.
- Purchased & installed 4 pr-editing system and 1 preview terminal.
- Allocated program ID and T-Code for direct delivery to MCR, user account, and 10TB shared storage.
- Simplified production workflow and reduced production time with Tapeless workflow
- Ensured high quality programs with final QC at the comprehensive editing stage prior to MCR.

3. Loudness transmission improvement project

- Conducted a project to improve the Loudness Processing by letting bypassing processors according to the results of the "Acoustic Loudness Operational Improvement TF" activities operated to improve the distortion of sound quality after applying MCR Loudness processing.
- Developed APC functions to control the Loudness processor.
- Improved Program Sound Quality by activating optional Loudness Bypass function per Program.
- Improved viewer satisfaction by providing rich sound quality

4. Building a News digital live studio "Laon"

- Established a dedicated production system according to the demand for digital content production and surge in demand.
- In the event of a disaster, breaking news is provided to the mobile online platform by utilizing information obtained through the KBS network.
- Improved viewer satisfaction by actively responding to the changed media consumption culture.
- Established a digital live studio system(All-In-One Production System and ancillary equipment installation)
- Established a multi-studio dedicated to digital live content(Using a variety of four-sided studio walls)
- Accepts various inputs such as online platforms, archive contents, and MNGs
- Contributed to expanding the public service area focusing on online & mobile based content offering.
- Improved viewer satisfaction by actively responding to the changed media consumption culture
- Expanded the role of various digital content integration windows currently produced by KBS

- Research projects

- Internet and Mobile Broadcasting Services

			Radio	Television
Coverage %				
Programme Channels				
Studios	File-based Set-up	R/N/D		
	SDTV	R/N/D		
	HDTV	R/N/D		
	UHDTV			
	IP Based Set-up	R/N/D		
Transmitters	HF	R/N/D		
	MF	R/N/D		
	FM	R/N/D		
	TV	R/N/D		
	OTT/IBB/Internet Services	R/N/D		
	Mobile Services	R/N/D		

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)	
3.	Suggestions for New ABU Activities e.g. study topic projects, workshops, symposiums etc, spectrum activities, new technology information flows	Activity 1			
		Activity 2			
		Activity 3			