Doc T-20/20-9

STATUS REPORT

Organisation:	TRT		
Period:	01.01.2020-19.11.2020	Date of Report:	20.11.2020

PART A

Technical Developments during the past year:
System upgrades/changes to practices for improved quality/efficiency   - Upgrading SAN Storage Systems   - Designing new IT Data Center   - Alternative programme transmission without satellites (R/L-ongoing)   - Updated inhouse CMS with new functionalities and new infrastructures (TRT Russian, TRT Deutsch will start with this new technologies)   - Changing TRT News channel CDN infrastructure   - SSO project for TRT User which is called TRT Hesabı (TRT Account) / Using it on TRT İzle (TRT Watch), TRT Dinle (TRT Listen), Bil Bakalım (game) and implementation of it to the other systems   - Developing GeoIP location service (ongoing)   - Improving monitoring dashboards   - Server application of auto scaling setup and optimizations
New Services/new projects initiated   - IT - Multi Factor Authentication adaptation completed for Web Mail and VPN services   - DAB+ trial broadcast (ongoing)   - DVB-T2 trial broadcast (ongoing)   - TRT Izle project (which is VOD and Livestream of all TRT Channels) TV APP's, IOS&ANDROID Native Apps, Website launched   - Merging TRT Izle (TRT Watch) with Online Education live and VOD contents   - Launching of TRT Dinle (TRT Listen- all TRT Radio and Music) Audio Mobile Native Apps and Web Site   - Launching of TRT Bil Bakalım (casual game) in October 2020   - Digital Books project for children (ongoing)   - TRT Çocuk (TRT Child) and TRT Müzik (TRT Music) Channel's attendance was temporarily moved from İstanbul to Ankara (Due to the Istanbul earthquake in 2019)   - For earthquake countermeasures; 1 sports, 1 production from Ulus, 1 News from Harbiye and several Radio studios are set up on the Ayazağa campus are planned to be completed in mid-December 2020   - Planning of a new campus for new and large production center   - New Sports studio (DK) went live in October 2020   - Redesigning and establishing of 15 July Millet Studios for TRT Haber (TRT News) Channel

- Due to the pandemic; 6 EBA (Education Information Network) channels has been started to broadcast in the first half of the year with cooperation of MEB (Ministry of Education) – The channels continuity was carried out in TRT. Most of the content production took place at TRT, and some of the content was produced in schools with the support of TRT staff.

Research projects
- Blockchain
- TRT Çocuk (TRT Child) Mobile App User behaviours (ongoing)
- Users Experience on TRT SSO Screens research (ongoing)
- Writing TRT's own DRM (ongoing)
- Marketing Analytics & Marketing Automations (ongoing)
- Open Education Platforms for TRT Academy project.

Internet and Mobile Broadcasting Services
- Uplifting of TRT News website design
- Changing TRT Research Center CMS from joomla to wordpress
- Updating TRT Çocuk's (TRT Child) Website.

			Radio	Television
Coverage %			TRT FM : %99.7 TRT Radyo 1 : %93.6 TRT Radyo Nağme:%90.6 TRT Radyo Türkü: %92,1 TRT Radyo Haber:%75,71 TRT Radyo-3 : %61.2 TRT Radyo Kurdi :%8,6 TRT Radyo World :%30,59 TRT Radyo Arapça: %21,4	TRT-1 : %98,4 TRT-Haber: %98,1 TRT-3 : %96,8 TRT-4 : %92 TRT-Kurdi : %16,1
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	TRT Radio 1: 2(N),10(R) TRT FM: 16(N), 41(R) TRT Radio 3: 1(N), 3(R) TRT Nağme: 3(N), 2(R) TRT Türkü: 12(N), 9(R) TRT Kurdi: 2(N) TRT Arabia: 3(N)	
	TV	R/N/D		
	OTT/IBB/Internet Services	R/N/D		
	Mobile Services	R/N/D		

R = Replacement/upgrade   N = New   D = Discontinued

	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**	IT	Blockchain Based Voting System Design (Eurovion Song Contest voting)	Blockchain Standards Not Established Insufficient resources and support.	Working groups can be established and alternative solutions can be produced
		Digital Radio (DAB+)	In Trial	Waiting the final frequency planning form RTUK 8 radio programs in Ankara, Istanbul, Izmit and Bursa broadcasting via DAB+	Having enough knowledge and experience No technical assistance is needed at this time
		Digital Radio (DVBT-2)	In Trial	Waiting the final frequency planning form RTUK DVB-T2 trial broadcasting continues at 5D in Ankara, Bursa, İzmir provinces	Having enough knowledge and experience No technical assistance is needed at this time
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,**	Activity 1	Broadcast Cloud Usage, Cloud production etc.		
		Activity 2	Broadcast Networks, Network Security		

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	spectrum activities, new technology information flows	**Activity 3**	Blockchain Solutions for Media Sector		