

ROLLOUT PLAN TECHNICAL INFORMATION (RADIO ACCESS NETWORK)						
NATIONAL WIDE ROLLOUT PLAN						
NATIONAL WIDE	SITES	TECHNOLOGY	FREQUENCY	NUMBER OF SITES - EXISTING	NUMBER OF SITES- PLANNED 2020/2021	TOTAL NUMBER OF SITES END 2020/2021
	BTS	2G	900MHz	391	15	271
			900MHz + 1800MHz	2070	271	2476
			1800MHz	12	123	0
	Node B	3G	900MHz	1306	815	2121
			2100 MHz	1919	464	2383
	eNode B	4G	700MHz	624	910	1534
			800MHz			
			1800 MHz	1696	509	2205
			2300MHz			
			2600MHz			
			3500MHz			
TOTAL NUMBER OF PHYSICAL SITES						
				NUMBER OF EXISTING - PHYSICAL SITES	NUMBER PHYSICAL SITES PLANNED 2020/2021	TOTAL PHYSICAL SITES - END OF 2020/2021
				2504	273	2777

ROLLOUT PLAN TECHNICAL INFORMATION (CORE FACILITIES)						
	CURRENT YEAR END			PLANNED FOR NEXT YEAR		
FACILITIES	QUANTITY	CAPACITY	LOCATION	QUANTIT Y	CAPACIT Y	LOCATION
Mobile Switching Center Server (MSS)	6	68,820,300 BHCA	Dar es Salaam	0	0 BHCA	
Media Gateway (MGW)	21	490,000 Erlangs	Multiple	11	535,000 Erlangs	Multiple
Visitor Location Register(VLR)	6		Dar es Salaam	0		
Home Location Register (HLR)	2	27 million subscribers	Dar es Salaam	0		
Serving GPRS Support Node (SGSN)	2		Dar es Salaam			
Gateway GPRS Support Node (GGSN)	4	200 Mbps	Dar es Salaam	0		
Intelligent Network (IN)Online Changing System(OCS)	12	177,304,000 BHCA	Dar es Salaam	0	0	
Unstructured Supplementary Service Data(USSD)	2	39,000 TPS	Dar es Salaam	0	0	
Voice Mail-Server	0	0				
Voucher Centre (VC)	6	320,000,000 vouchers	Dar es Salaam	0	0	

Policy and Changing Rules Function (PCRF)	6	27000000				
Color Ring Back Tone (CRBT)	0	0				
Short Messages Service Center (SMSC)	2	39,000 TPS	Dar es Salaam	0	0	
Multimedia Messaging Service Centre (MMSC)	0	0				
Internet Gateway	N/a					
Serving Gateway(SGW)	SGSN and SGW are the same equipment					
Packet Data Network Gateway (PGW)	GGSN and PGW are the same equipment					
Mobility Management Entity (MME)	MME function is within SGSN					
Base station Controller (BSC)	41		multiple	5		multiple
Radio Network Controller (RNC)	12		multiple	17		multiple