

# تقرير معايير جودة الخدمة لشركة الاتصالات السعودية

## Report on STC Quality of Service Indicators



KSA  
Q1, 2021

stc

## General Key Performance Indicators

KPI name	Measurement Unit	KPI value					Target value for quarter
		Required Statistics and description	1st month	2nd month	3rd month	1st Quarter	
Supply Time	Time	fastest 50 % of orders are completed (in days)	0.1	0.1	0.1	0.1	7 days for 90% of requests
		fastest 90 % of orders are completed (in days)	0.7	0.7	0.7	0.7	
		fastest 95 % of orders are completed (in days)	0.9	0.9	0.9	0.9	
		fastest 99 % of orders are completed (in days)	2.1	1.2	1.1	1.2	
Fault Rate	Percentage %	percentage of fault reports per fixed access line	4.31%	4.77%	4.81%	4.63%	< 5%
	Number	average number of fixed access lines	1,629,829	1,616,263	1,633,379	1,626,490	
Fault Repair Time	Time	fastest 80 % of repairing valid faults on fixed access lines(in hours)	10.88	12.68	11.89	11.82	Within 24 hours for 90% of faults
		fastest 90 % of repairing valid faults on fixed access lines(in hours)	15.83	18.4	18.28	17.50	
		fastest 95 % of repairing valid faults on fixed access lines(in hours)	23.73	27.07	29.13	26.64	
Response Time for Reply to Requests	Time	The average time to respond to requests received through electronic channels, including e-mail, social media and others (in hours)	0:06:21	0:06:35	0:06:27	0:06:28	within 60 sec for 85% of voice calls
		The average time to respond to requests received through voice calls (in seconds)	0:00:04	0:00:07	0:00:13	0:00:08	
		Time to respond to the fastest 85% of requests received through voice calls (in seconds)	0	0	0.58	0.2	

## Key Performance Indicators Applied on Fixed Networks

KPI name	Measurement method	KPI value					Target value for quarter
		Required Statistics and description	1st month	2nd month	3rd month	1st Quarter	
Unsuccessful Call Ratio	Percentage %	unsuccessful calls for national calls	0.148%	0.139%	0.145%	0.144%	< 1%
		unsuccessful calls for international calls	0.179%	0.157%	0.179%	0.172%	
	Number	Total number of national calls	98,975,360	93,814,348	111,305,506	101,365,071	
Dropped Call Rate	Percentage %	dropped calls, calculated from all the calls in the period	0.050%	0.040%	0.045%	0.05%	< 1%
		Time	The mean value of call setup time for national calls ( in seconds)	3.31	3.28	3.39	3.32
The time in which the fastest 95 % of national calls are set-up (in seconds)							
The time which the fastest 99% of national calls are set-up (in seconds)							
The mean value of call setup time for international calls (in seconds)	3.35		3.42	3.46	3.41		
The time which the fastest 95 % of international calls are set-up (in seconds)							
The time which the fastest 99 % of international calls are set-up (in seconds)							
Speech Connection Quality	Mean Opinion Score(MOS)	The total number of national calls	98,975,360	93,814,348	111,305,506	101,365,071	> 3,75 MOS
		The total Number of international calls	3,684,363	4,272,588	4,011,931	3,989,627	

## Key Performance Indicators Applied on Mobile Networks

### A. OSS Counters Measurements

KPI name	Measurement method	KPI value					Target value for quarter
		Required Statistics and description	1st month	2nd month	3rd month	1st Quarter	
Unsuccessful Call Ratio	Percentage %	Unsuccessful calls, calculated from all the call attempts in the period	0.19%	0.20%	0.20%	0.20%	< 1%
Dropped Call Ratio	Percentage %	dropped calls, calculated from all the calls in the period	0.28%	0.28%	0.27%	0.28%	< 1%
Call Setup Time	Time	The mean value of call setup time (in seconds)	4.73	4.75	4.66	4.71	95 % in < 7 sec; 99% in <10 sec
		The time which the fastest 95 % of calls are set-up (in seconds)	4.47	4.51	4.44	4.47	
		The time which the fastest 99 % of calls are set-up (in seconds)	4.67	4.74	4.64	4.68	
	Number	Total number of calls	104,207,193	110,747,491	117,268,684	110,741,122	

## Key Performance Indicators Applied to Internet Access (Fiber)

Package	KPI name	Measurement method	KPI value		Target value for quarter
			Required Statistics and description	Q1	
<b>100 MB</b>	Data Transmission Speed	Mbps	The highest 95 % of download speed	74.32	None
			The lowest 5 % of download speed	2.83	
			The mean value of download speed	70.74	
			The median value of download speed	72.1	
			The standard deviation of download speed	48.72	
			The highest 95 % of upload speed	24.66	
			The lowest 5 % of upload speed	1.02	
			The mean value of upload speed	23.47	
			The median value of upload speed	18.82	
			The standard deviation of upload speed	22.50	
	Unsuccessful Data Transmission Ratio	Percentage %	Percentage of unsuccessful data transmission (in $x^{10^{-3}}$ )	None	None
Delay (One-way transmission time)	Time	The mean values of the delay (in milliseconds)	13.14	None	
		The standard deviation of the delay (jitter) (in milliseconds)	82.01		
<b>200 MB</b>	Data Transmission Speed	Mbps	The highest 95 % of download speed	104.10	None
			The lowest 5 % of download speed	3.30	
			The mean value of download speed	99.04	
			The median value of download speed	83.02	
			The standard deviation of download speed	74.14	
			The highest 95 % of upload speed	57.28	
			The lowest 5 % of upload speed	2.00	
			The mean value of upload speed	54.51	
			The median value of upload speed	61.09	
			The standard deviation of upload speed	37.51	
	Unsuccessful Data Transmission Ratio	Percentage %	Percentage of unsuccessful data transmission (in $x^{10^{-3}}$ )	None	None
Delay (One-way transmission time)	Time	The mean values of the delay (in milliseconds)	13.83	None	
		The standard deviation of the delay (jitter) (in milliseconds)	108.00		

## Key Performance Indicators Applied to Internet Access (Copper)

Package	KPI name	Measurement method	KPI value		Target value for quarter
			Required Statistics and description	Q1	
10 MB	Data Transmission Speed	Mbps	The highest 95 % of download speed	5.84	None
			The lowest 5 % of download speed	0.62	
			The mean value of download speed	5.58	
			The median value of download speed	5.95	
			The standard deviation of download speed	2.47	
			The highest 95 % of upload speed	0.53	
			The lowest 5 % of upload speed	0.05	
			The mean value of upload speed	0.50	
			The median value of upload speed	0.33	
	The standard deviation of upload speed	1.85			
	Unsuccessful Data Transmission Ratio	Percentage %	Percentage of unsuccessful data transmission (in x <sup>10-3</sup> )	None	None
Delay (One-way transmission time)	Time	The mean values of the delay (in milliseconds)	71.08	None	
		The standard deviation of the delay (jitter) (in milliseconds)	242.06		
20 MB	Data Transmission Speed	Mbps	The highest 95 % of download speed	8.77	None
			The lowest 5 % of download speed	0.74	
			The mean value of download speed	8.37	
			The median value of download speed	8.15	
			The standard deviation of download speed	4.51	
			The highest 95 % of upload speed	1.16	
			The lowest 5 % of upload speed	0.06	
			The mean value of upload speed	1.10	
			The median value of upload speed	0.58	
	The standard deviation of upload speed	3.44			
	Unsuccessful Data Transmission Ratio	Percentage %	Percentage of unsuccessful data transmission (in x <sup>10-3</sup> )	None	None
Delay (One-way transmission time)	Time	The mean values of the delay (in milliseconds)	60.46	None	
		The standard deviation of the delay (jitter) (in milliseconds)	217.91		

Shukran!

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