تقرير معايير جودة الخدمة
لشركة الاتصالات السعودية

Report on STC
Quality of Service Indicators

stc

General Key Performance Indicators

KPI name	Measurement Unit	KPI value					Target value for quarter
		Required Statistics and description	7th month	8th month	9th month	3rd Quarter	
Supply Time	Time	fastest 50 % of orders are completed (in days)	0	0.2	0.2	0.2	7 days for 90% of requests
		fastest 90 % of orders are completed (in days)	0.5	0.8	0.9	0.8	
		fastest 95 % of orders are completed (in days)	0.7	0.9	1.2	0.9	
		fastest 99 % of orders are completed (in days)	0.9	1.1	1.5	1.2	
Fault Rate	Percentage %	percentage of fault reports per fixed access line	3.87%	4.99%	4.59%	4.48%	< 5%
	Number	average number of fixed access lines	1,851,957	1,850,669	1,859,140	1,853,922	
Fault Repair Time	Time	fastest 80 % of repairing valid faults on fixed access lines(in hours)	11.13	15.00	13.07	13.07	Within 24 hours for 90% of faults
		fastest 90 % of repairing valid faults on fixed access lines(in hours)	16.80	24.16	19.36	20.11	
		fastest 95 % of repairing valid faults on fixed access lines(in hours)	25.07	35.94	28.44	29.82	
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)	0:01:55	0:03:15	0:03:35	0:02:54	within 60 sec for 85% of voice calls
		The average time to respond to requests received through voice calls (in seconds)	0:00:07	0:00:10	0:00:15	0:00:11	
		Time to respond to the fastest 85% of requests received through voice calls (in seconds)	0.00	0.00	0.00	0.00	

Key Performance Indicators Applied on Fixed Networks

KPI name	Measurement method	KPI value					Target value for quarter
		Required Statistics and description	7th month	8th month	9th month	3rd Quarter	
Unsuccessful Call Ratio	Percentage %	unsuccessful calls for national calls	0.163%	0.157%	0.192%	0.171%	< 1%
		unsuccessful calls for international calls	0.111%	0.107%	0.106%	0.108%	
	Number	Total number of national calls	93,405,694	96,850,690	82,171,930	90,809,438	
		Total number of International calls	3,974,814	4,348,503	4,815,455	4,379,591	
Dropped Call Rate	Percentage %	dropped calls, calculated from all the calls in the period	0.026%	0.011%	0.039%	0.03%	< 1%
Call Setup Time	Time	The mean value of call setup time for national calls (in seconds)	2.94	3.14	3.13	3.07	95 % in < 7 sec; 99% in <10 sec
		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)	4.33	4.35	4.40	4.36	
		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)					
	Number	The total number of national calls	93,405,694	96,850,690	82,171,930	90,809,438	
		The total Number of international calls	3,974,814	4,348,503	4,815,455	4,379,591	
Speech Connection Quality	Mean Opinion Score(MOS)	This value is obtained through special tool that analyzes the sound after it is transferred between the two ends of the connection	4.12	4.10	4.10	4.11	> 3,75 MOS

Key Performance Indicators Applied on Mobile Networks

A. OSS Counters Measurments

KPI name	Measurement method	KPI value					Target value for quarter
		Required Statistics and description	7th month	8th month	9th month	3rd Quarter	
Unsuccessful Call Ratio	Percentage %	Unsuccessful calls, calculated from all the call attempts in the period	0.16%	0.16%	0.17%	0.16%	< 1%
Dropped Call Ratio	Percentage %	dropped calls, calculated from all the calls in the period	0.25%	0.26%	0.26%	0.25%	< 1%
Call Setup Time	Time	The mean value of call setup time (in seconds)	4.7	4.76	4.72	4.73	95 % in < 7 sec; 99% in <10 sec
		The time which the fastest 95 % of calls are set-up (in seconds)	4.5	4.59	4.53	4.54	
		The time which the fastest 99 % of calls are set-up (in seconds)	4.69	4.75	4.71	4.72	
	Number	Total number of calls	114,528,019	114,213,839	118,663,582	115,801,813	

Key Performance Indicators Applied to Internet Access (Fiber)

Package	KPI name	Measurement method	KPI value		Target value for quarter
			Required Statistics and description	Q3	
100 MB	Data Transmission Speed	Mbps	The highest 95 % of download speed	79.17	None
			The lowest 5 % of download speed	3.73	
			The mean value of download speed	75.40	
			The median value of download speed	80.51	
			The standard deviation of download speed	49.72	
			The highest 95 % of upload speed	37.53	
			The lowest 5 % of upload speed	2.39	
			The mean value of upload speed	35.78	
			The median value of upload speed	29	
			The standard deviation of upload speed	34.18	
	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)	10.98	None
			The standard deviation of the delay (jitter) (in milliseconds)	76.24	
200 MB	Data Transmission Speed	Mbps	The highest 95 % of download speed	111.84	None
			The lowest 5 % of download speed	3.89	
			The mean value of download speed	106.44	
			The median value of download speed	90.22	
			The standard deviation of download speed	75.99	
			The highest 95 % of upload speed	80.09	
			The lowest 5 % of upload speed	2.24	
			The mean value of upload speed	76.20	
			The median value of upload speed	72.45	
			The standard deviation of upload speed	58.95	
	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)	12.07	None
			The standard deviation of the delay (jitter) (in milliseconds)	102.71	

Key Performance Indicators Applied to Internet Access (Copper)

Package	KPI name	Measurement method	KPI value		Target value for quarter
			Required Statistics and description	Q3	
10 MB	Data Transmission Speed	Mbps	The highest 95 % of download speed	6.27	None
			The lowest 5 % of download speed	0.71	
			The mean value of download speed	5.99	
			The median value of download speed	6.44	
			The standard deviation of download speed	2.69	
			The highest 95 % of upload speed	0.57	
			The lowest 5 % of upload speed	0.05	
			The mean value of upload speed	0.55	
			The median value of upload speed	0.36	
			The standard deviation of upload speed	1.77	
	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)	64.77	None
			The standard deviation of the delay (jitter) (in milliseconds)	201.77	
20 MB	Data Transmission Speed	Mbps	The highest 95 % of download speed	8.97	None
			The lowest 5 % of download speed	0.90	
			The mean value of download speed	8.56	
			The median value of download speed	8.32	
			The standard deviation of download speed	4.46	
			The highest 95 % of upload speed	0.88	
			The lowest 5 % of upload speed	0.06	
			The mean value of upload speed	0.84	
			The median value of upload speed	0.57	
			The standard deviation of upload speed	2.62	
	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)	58.32	None
			The standard deviation of the delay (jitter) (in milliseconds)	200.45	

Shukran!

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