DOCUMENT REFERENCE: P005-FCC-16

Testing Schedule for USA (Fixed)

August 2016

SAMKNOWS QUALITY CONTROLLED DOCUMENT.					
DOC REF	REV	LANG	STATUS	OWNER	DATED
13	02	EN	FINAL	SC	20120301
REVISION HISTORY					
DATED	REV	AUTHOR	COMMENTS		
20160105	005	RR	Update VoIP Time.		
20150629	004	LR	General Updates		
20131125	003	RR	Removed Availability, changed daily volume.		
20120301	002	NC	Updated for March 2012 Reporting Period		
20110301	001	SC	Original.		

Contents

1   Important Notice

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2   Testing Schedule for USA (Fixed)

Test Name	Test Target(s)	Test Frequency	Test Duration	Est. Daily Volume
Web browsing	10 popular US websites	Every 2 hours, 24x7	Est. 30 seconds	80MB
Voice over IP	1 off-net test node	Hourly, 24x7	Fixed 10 seconds at 64k	1MB
	1 on-net test node	Hourly, 24x7	Fixed 10 seconds at 64k	1MB
Download speed (Capacity – 8x parallel TCP connections)	1 off-net test node	Once 12am-6am, Once 6am-12pm, Once 12pm-6pm, Hourly thereafter	Fixed 10 seconds	140MB at 10Mbps
	1 on-net test node	Once 12am-6am, Once 6am-12pm, Once 12pm-6pm, Once 6pm-8pm, Once 8pm-10pm, Once 10pm-12am	Fixed 10 seconds	70MB at 10Mbps
Download speed (Single TCP connection)	1 off-net test node 1 on-net test node	Once in peak hours, once in off-peak hours	Fixed 10 seconds	46MB at 10Mbps
Upload speed (Capacity – 8x parallel TCP connections on terrestrial, 3x on satellite)	1 off-net test node	Once 12am-6am, Once 6am-12pm, Once 12pm-6pm, Hourly thereafter	Fixed 10 seconds	14MB at 1Mbps
	1 on-net test node	Once 12am-6am, Once 6am-12pm, Once 12pm-	Fixed 10 seconds	7MB at 1Mbps

Test Name	Test Target(s)	Test Frequency	Test Duration	Est. Daily Volume
		6pm, Once 6pm-8pm, Once 8pm-10pm, Once 10pm-12am		
Upload speed (Single TCP connection)	1 off-net test node 1 on-net test node	Once in peak hours, once in off-peak hours	Fixed 10 seconds	6MB at 1Mbps
UDP latency	1 off-net test node	Hourly, 24x7	Permanent	1MB
	1 on-net test node	Hourly, 24x7	Permanent	1MB
UDP packet loss	1 off-net test node	Hourly, 24x7	Permanent	N/A (uses above)
	1 on-net test node	Hourly, 24x7	Permanent	N/A (uses above)
Consumption	N/A	24x7	N/A	N/A
DNS resolution	10 popular US websites	Hourly, 24x7	Est. 3 seconds	0.3MB
ICMP latency	1 off-net test node 1 on-net test node	Hourly, 24x7	Est. 5 seconds	0.3MB
ICMP Packet loss	1 off-net test node 1 on-net test node	Hourly, 24x7	N/A (As IMCP latency)	N/A (uses above)
Traceroute	1 off-net test node 1 on-net test node	Three times a day, 24x7	N/A	N/A
Traceroute (Video providers)	Netflix, YouTube, Hulu content servers	Once 12am-6am, Once 6am-12pm, Once 12pm-6pm, Once 6pm-8pm, Once 8pm-10pm, Once 10pm-12am	N/A	N/A
Netflix^	Netflix Open Connect Appliances	Once 12am-6am, Once 6am-12pm, Once 12pm-6pm, Once 6pm-8pm, Once 8pm-10pm, Once 10pm-12am	20 seconds	700MB at 50Mbps 286MB at 20Mbps 143MB at 10Mbps 42MB at 3Mbps

Test Name	Test Target(s)	Test Frequency	Test Duration	Est. Daily Volume
YouTube^	YouTube Content Servers	Once 12am-6am, Once 6am-12pm, Once 12pm-6pm, Once 6pm-8pm, Once 8pm-10pm, Once 10pm-12am	20 seconds	150MB
Hulu^	Hulu Content Servers	Once 12am-6am, Once 6am-12pm, Once 12pm-6pm, Once 6pm-8pm, Once 8pm-10pm, Once 10pm-12am	20 seconds	150MB
CDN performance	Amazon, Apple, Microsoft, Google, Cloudflare, Akamai	Every 2 hours, 24x7	5 seconds	3MB
Download speed IPv6^^	1 off-net test node	Three times a day	Fixed 30 seconds	548MB at 50Mbps 220MB at 20Mbps 33MB at 3Mbps 17MB at 1.5Mbps
Upload speed IPv6^^	1 off-net test node	Three times a day	Fixed 30 seconds	22MB at 2Mbps 11MB at 1Mbps 6MB at 0.5Mbps
UDP Latency / Loss IPv6^^	1 off-net test node	Hourly, 24x7	Permanent	1MB

**Download/upload daily volumes are estimates based upon likely line speeds. All tests will operate at maximum line rate so actual consumption may vary.

^Currently in beta testing.

^^Only carried out on lines that support IPv6.

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