

# VoIP Network Assessment Report

*Prepared on:*

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## CONTENTS

Executive Summary	1
Testing Overview	2
Readiness Summary	3
Voice Handset: Nortel Testing Results	4

## Executive Summary

A voice assessment has been completed for your network. Using advanced network analysis techniques, the voice quality (MOS) on each of the paths has been measured and predictive best and worst case voice quality have been determined.

In addition to predicting voice quality, the assessment testing has identified any network performance issues that exist that may affect voice quality and other performance critical demands on the network such as backups and video.

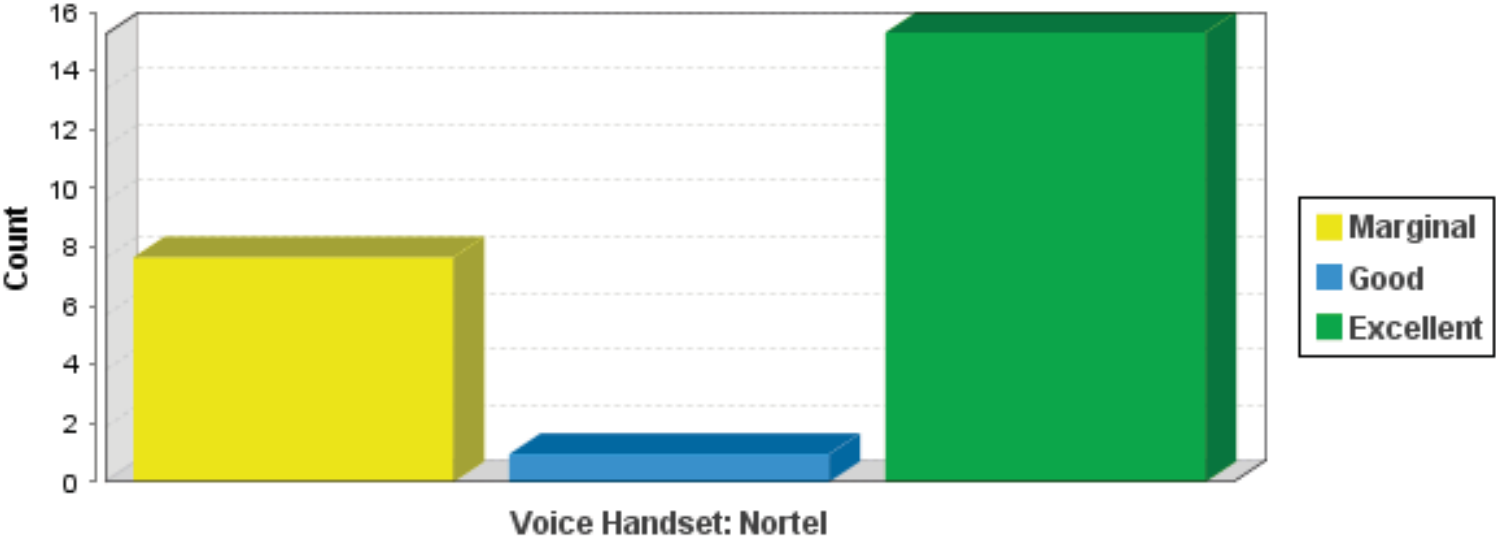
Testing to the **handsets** has found that **68%** of the network paths support satisfactory or good voice quality under the current conditions, while **32%** support marginal voice quality.





### Readiness Summary

The following chart summarizes the Voice readiness for the Voice paths tested.

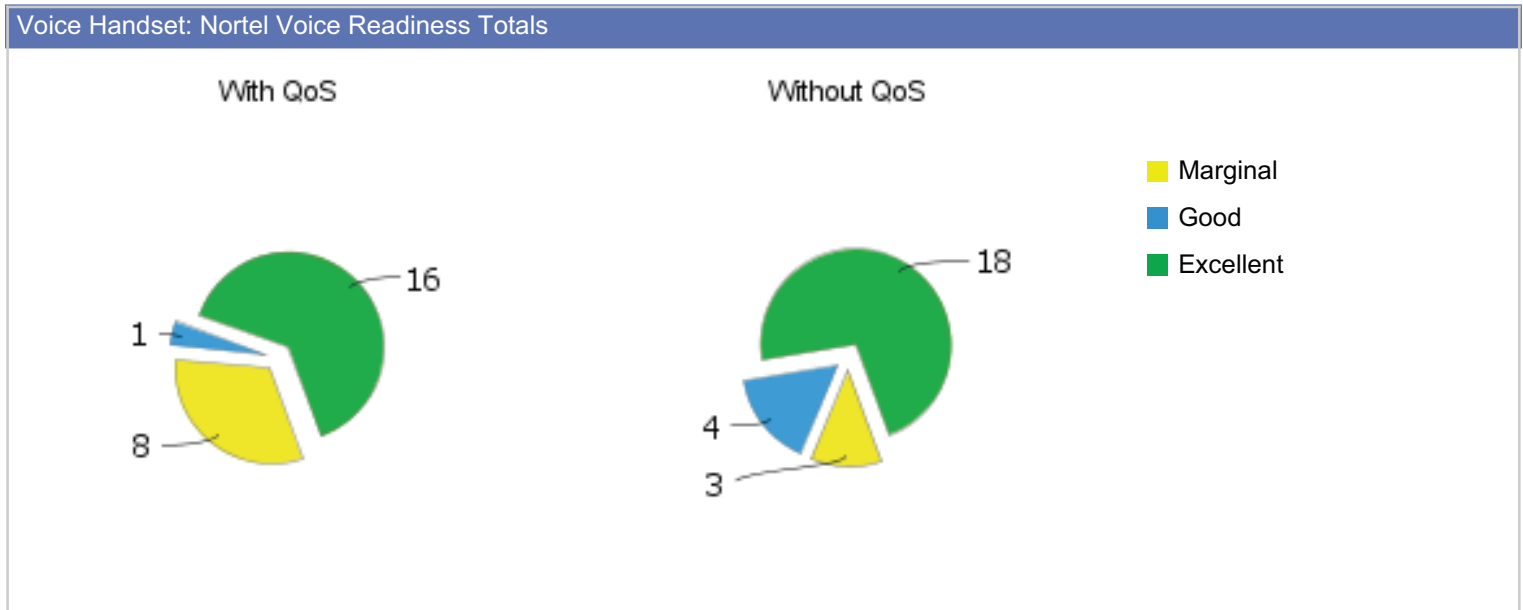


## Voice Handset: Nortel Testing Results

The following summarizes details of the Voice Handset: Nortel testing parameters.

Codec: G.711 with a maximum MOS value of 4.4 at approximately 64 kbps  
 TOS Type: Minimize Delay  
 Precedence: Routine

The following chart shows the Voice readiness for the Voice Handset: Nortels tested.









The following paths have been tested for voice readiness and quality. Click on the Path address to drill down to detailed test results.

Path	QoS	Readiness	MOS			Measurements				
			Best	Measured	Worst	Total Capacity (Mbps)	Loss %	Latency (ms)	Jitter (Avg/Max, ms)	Utilized Capacity (Mbps)
<a href="#">10.129.106.203</a>	Off		4.3	4.3	3.5	-	2	0.39	0.14 / 0.74	-
	On		4.4	3.8	3.8	-	7	0.32	0.15 / 0.37	-
<a href="#">10.129.106.216</a>	Off		4.3	4.3	3.5	-	1	0.30	0.15 / 0.59	-
	On		4.4	3.7	3.7	-	8	0.32	0.10 / 0.57	-

Path	QoS	Readiness	MOS			Measurements				
			Best	Measured	Worst	Total Capacity (Mbps)	Loss %	Latency (ms)	Jitter (Avg/Max, ms)	Utilized Capacity (Mbps)
<a href="#">10.129.106.254</a>	Off		4.4	4.3	4.3	-	1	0.25	0.21 / 9.53	-
	On		3.5	3.5	2.6	-	10	0.25	0.12 / 7.61	-
<a href="#">10.129.106.10</a>	Off		4.4	4.4	3.4	-	0	0.28	0.64 / 56.2	-
	On		4.4	3.5	3.5	-	10	0.27	0.44 / 9.13	-
<a href="#">10.129.106.199</a>	Off		4.4	4.4	4.4	-	0	0.32	0.16 / 0.32	-
	On		3.7	3.7	3.5	-	8	0.32	0.16 / 0.34	-
<a href="#">10.129.106.204</a>	Off		3.7	3.7	3.5	-	8	0.33	0.15 / 0.30	-
	On		4.4	4.4	4.4	-	0	0.31	0.12 / 0.21	-
<a href="#">10.129.106.207</a>	Off		3.8	3.8	3.5	-	7	0.31	0.14 / 0.28	-
	On		4.4	4.4	4.4	-	0	0.37	0.11 / 0.24	-
<a href="#">10.129.106.211</a>	Off		4.4	3.6	3.6	-	9	0.31	0.17 / 0.32	-
	On		4.4	4.4	4.4	-	0	0.32	0.19 / 0.35	-
<a href="#">10.129.106.212</a>	Off		4.4	4.4	3.5	-	0	0.34	0.18 / 0.33	-
	On		4.4	3.5	3.5	-	10	0.31	0.1 / 0.32	-
<a href="#">10.129.106.213</a>	Off		4.4	4.4	4.4	-	0	0.40	0.11 / 0.26	-
	On		3.5	3.5	3.5	-	10	0.40	0.11 / 0.28	-
<a href="#">10.129.106.215</a>	Off		4.4	4.4	4.4	-	0	0.32	0.12 / 0.55	-
	On		3.8	3.8	3.5	-	7	0.40	0.17 / 0.38	-
<a href="#">10.129.106.206</a>	Off		4.4	4.4	4.4	-	< 1	0.39	0.13 / 0.30	-
	On		4.4	4.4	4.4	-	0	0.36	0.13 / 0.32	-

Path	QoS	Readiness	MOS			Measurements				
			Best	Measured	Worst	Total Capacity (Mbps)	Loss %	Latency (ms)	Jitter (Avg/Max, ms)	Utilized Capacity (Mbps)
<a href="#">10.129.106.208</a>	Off		4.4	4.4	4.4	-	0	0.39	0.09 / 0.84	-
	On		4.0	4.0	3.5	-	5	0.33	0.11 / 0.28	-
<a href="#">10.129.106.1</a>	Off		4.4	4.4	4.4	-	0	0.29	0.11 / 0.49	-
	On		4.4	4.4	4.4	-	0	0.33	0.14 / 0.26	-
<a href="#">10.129.106.200</a>	Off		4.4	4.4	4.4	-	0	0.31	0.14 / 1.04	-
	On		4.4	4.4	4.4	-	0	0.32	0.16 / 0.29	-
<a href="#">10.129.106.201</a>	Off		4.4	4.4	4.4	-	0	0.37	0.14 / 0.69	-
	On		4.4	4.4	4.4	-	0	0.39	0.17 / 0.34	-
<a href="#">10.129.106.202</a>	Off		4.4	4.4	4.4	-	0	0.25	0.14 / 0.28	-
	On		4.4	4.4	4.4	-	0	0.31	0.11 / 0.59	-
<a href="#">10.129.106.205</a>	Off		4.4	4.4	4.4	-	0	0.40	0.14 / 0.29	-
	On		4.4	4.4	4.4	-	0	0.32	0.12 / 0.20	-
<a href="#">10.129.106.209</a>	Off		4.4	4.4	4.4	-	0	0.39	0.15 / 0.32	-
	On		4.4	4.4	4.4	-	0	0.30	0.15 / 0.28	-
<a href="#">10.129.106.210</a>	Off		4.4	4.4	4.4	-	0	0.34	0.09 / 0.26	-
	On		4.4	4.4	4.4	-	0	0.40	0.14 / 0.24	-
<a href="#">10.129.106.214</a>	Off		4.4	4.4	4.4	-	0	0.39	0.16 / 0.25	-
	On		4.4	4.4	4.4	-	0	0.31	0.14 / 0.31	-
<a href="#">10.129.106.217</a>	Off		4.4	4.4	4.4	-	0	0.40	0.14 / 0.29	-
	On		4.4	4.4	4.4	-	0	0.33	0.17 / 0.35	-

Path	QoS	Readiness	MOS			Measurements				
			Best	Measured	Worst	Total Capacity (Mbps)	Loss %	Latency (ms)	Jitter (Avg/Max, ms)	Utilized Capacity (Mbps)
<a href="#">10.129.106.218</a>	Off		4.4	4.4	4.4	-	0	0.33	0.14 / 0.28	-
	On		4.4	4.4	4.4	-	0	0.36	0.13 / 0.27	-
<a href="#">10.129.106.219</a>	Off		4.4	4.4	4.4	-	0	0.40	0.08 / 0.53	-
	On		4.4	4.4	4.4	-	0	0.40	0.11 / 0.28	-
<a href="#">10.129.106.220</a>	Off		4.4	4.4	4.4	-	0	0.39	0.08 / 0.54	-
	On		4.4	4.4	4.4	-	0	0.39	0.14 / 0.33	-