



## a&o Service Offerings

<b>Offering</b>	<b>IPT Readiness Network Assessment</b>
<b>Description</b>	<p>The <b>IPT Readiness Network Assessment</b> service is designed to model the impacts of potential voice traffic on an existing network.</p> <p>A comprehensive set of tests are carried out by highly skilled a&amp;o network consultants who will assess the capability of the existing network infrastructure and associated QoS (Quality of Service) mechanisms to support proposed voice traffic volumes.</p> <p>Through active testing of the network, evidence is collected to determine whether the operational characteristics of the network are within thresholds suitable for the successful deployment of an IP Telephony solution. Key network characteristics will be determined, including:</p> <ul style="list-style-type: none"> <li>• Estimates for jitter</li> <li>• Packet loss and delay</li> <li>• Potential MOS (Mean Opinion Score) calculations.</li> </ul> <p>The resulting detailed assessment report will identify infrastructure problems in relation to the network design, configuration or bandwidth, and will contain recommendations for corrective actions or improvements to ensure readiness for the proposed IP Telephony project.</p>
<b>Methodology</b>	<p>a&amp;o Network Consultants will use sophisticated voice simulation toolsets to inject VoIP traffic into the network to analyse traffic performance, stress-test WAN links and determine the impact of normal data traffic on proposed voice traffic volumes.</p> <p>Through the strategic deployment of test endpoints we will simulate and test various VoIP call conditions and scenarios. This information will provide evidence of potential issues, together with documented performance testing against industry standard call quality using MOS (Mean Opinion Scoring). The assessment will also provide information to use for development or refinement of QoS (Quality of Service) policies and optimisation of existing network infrastructure equipment in relation to traffic classification and prioritisation.</p> <p>Following an analysis of the collected data, our consultant will produce an Assessment Report that provides a comprehensive picture of how the existing network devices and infrastructure correlate with basic requirements for voice support, with identification of possible problem areas and recommendations to develop or update the infrastructure.</p>



Empowering Technology



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<b>Deliverables</b>	<ul style="list-style-type: none"> <li>• Technical assessment of network topology for end-to-end voice support.</li> <li>• Review of QoS configuration and operation.</li> <li>• Assessment Report</li> </ul>
<b>Supported Environments</b>	<p>The IPT Readiness Network Assessment is equipment and environment agnostic. Our consultant will require a suitable level of access to:</p> <ul style="list-style-type: none"> <li>• Network designs</li> <li>• IP schema information</li> <li>• Equipment configurations</li> <li>• Key IT personnel</li> </ul>
<b>Resource Model</b>	<p>The standard service assumes the assessment is carried out using remote access techniques from a pre-agreed number of network locations that provide a representation of the network characteristics as a whole.</p> <p><u>Network Consultant :</u>      <b><u>4 days</u></b></p> <ul style="list-style-type: none"> <li>• Assessment                      1.5 day</li> <li>• Analysis                            1.5 day</li> <li>• Report Generation            1.0 day</li> </ul> <p>This service may be customised to suit specific client requirements. A separate scope and pricing process will be applied on an individual basis to any non-standard service request.</p>
<b>Related Services</b>	<ul style="list-style-type: none"> <li>• Quality of Service Policy Development</li> <li>• Network Troubleshooting</li> </ul>

