

Passive Monitoring and Active Testing

Two different approaches, each with its own pros and cons.

	Pros	
Passive	<ul style="list-style-type: none">• Continuous analysis of full live traffic instead of artificial samples• View on actual customer experience• Consideration of actual user devices and call paths• Midpoint measurements allow to pinpoint problem sources	Active
	<ul style="list-style-type: none">• End-to-end view• Controlled “experiments”• Insights into service availability• Standards-based evaluation, e.g. PESQ and POLQA	
	<ul style="list-style-type: none">• Only implicit information on service availability• Uncontrolled “experiments” – not always possible to reproduce issues• End-to-end view can only be approximated	<ul style="list-style-type: none">• Artificial, e.g. no insight into end-device behavior• Intrusive & potentially service-disrupting• Consumes resources in live network• End-to-end view does not say where problems occur
	Cons	