

## Xplorer QoS

### Video-Telephony Service Supervision

#### OVERVIEW

Video Telephony goes one step beyond simple data transfer, and it is the service everybody associates with 3G/UMTS technology.

UMTS Video Telephony is one of the most promising wireless applications however, this sophisticated service will for sure need some adaptation until it gets its mature phase and complete commercial exploitation.

So, at this stage, we can say that this service offers a great opportunity for a QoS Test Tool to validate its usefulness and convenience.

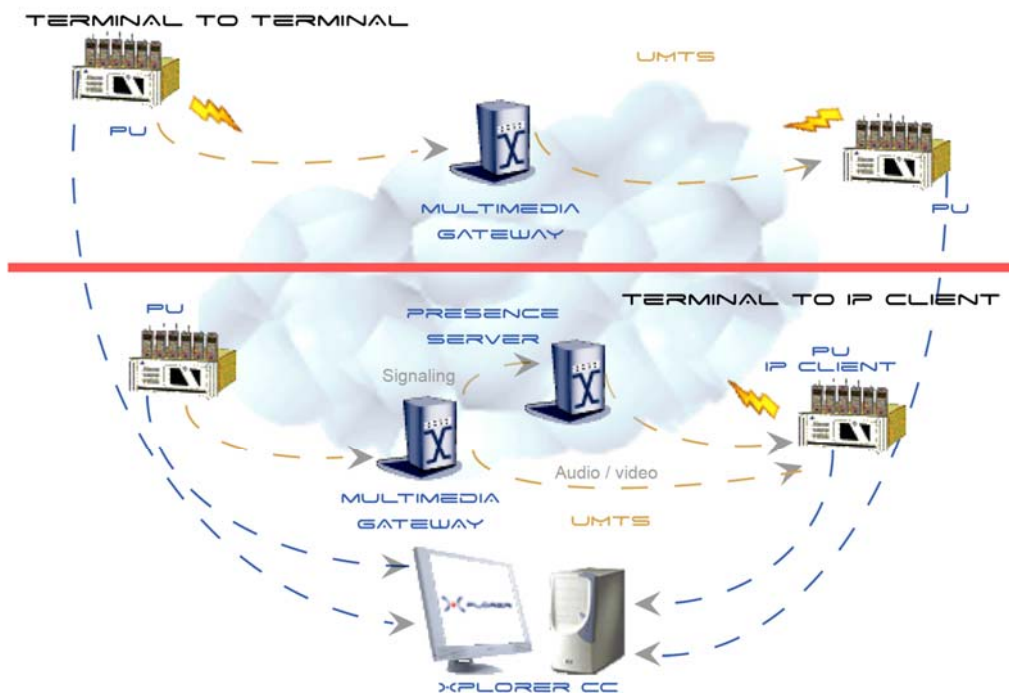
#### KEY BENEFITS

- Enables true e2e streaming quality assessment in mobile applications.
- Helps controlling and checking Media Platforms.
- Increase customer satisfaction and use
- Helps monitor new media services before commercial launching.
- Real-time problem detection.
- 3G State-of-the-Art service testing possibility.

#### FEATURES

- RTP/RTSP/H324 protocols supported.
- SIP/H323 Suit supported.
- MOS-LQO evaluation.
- Service availability.
- Service access time.
- Reproduction.
- Terminal vs. Terminal tests.
- Terminal vs. IPClient tests (through multimedia gateway).
- IPClient vs. IPClient tests (through multimedia gateway)

#### VIDEOCALL TESTING SCENARIO



### VALIDATION AREAS

Services	Contents	Network
<ul style="list-style-type: none"> <li>▪ Video Call Mobile-Mobile</li> <li>▪ Video Call Mobile-PC</li> </ul>		<ul style="list-style-type: none"> <li>▪ Network Availability</li> </ul>

### KPIs

<ul style="list-style-type: none"> <li>▪ Service Non-Accessibility (%)</li> <li>▪ Service Access Time (sec)</li> <li>▪ Audio/Video Setup Failure Ratio (%)</li> <li>▪ Audio/Video Setup Time (sec)</li> <li>▪ Cut-off Call Ratio (%)</li> <li>▪ Bearer Cut-off Ratio (%)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Audio Quality on Sample basis (MOS-LQO)</li> <li>▪ Video Quality on call basis (MOS-LQO)</li> <li>▪ End-to-end Mean One-Way Transmission Time (sec)</li> <li>▪ Reproduction Start Delay (sec)</li> </ul>
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### Quality Parameters

<ul style="list-style-type: none"> <li>▪ Test starting time stamp</li> <li>▪ Test ending time stamp</li> <li>▪ Cut-off notification</li> <li>▪ Call signalling time</li> <li>▪ Total session time</li> <li>▪ Number of audio/video frames received</li> </ul>	<ul style="list-style-type: none"> <li>▪ Number of audio/video frames average size</li> <li>▪ Audio/video frames missing</li> <li>▪ Audio/video CRC error</li> <li>▪ Test verdict</li> <li>▪ Incidences during the test</li> </ul>
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