



communications

ViTAS

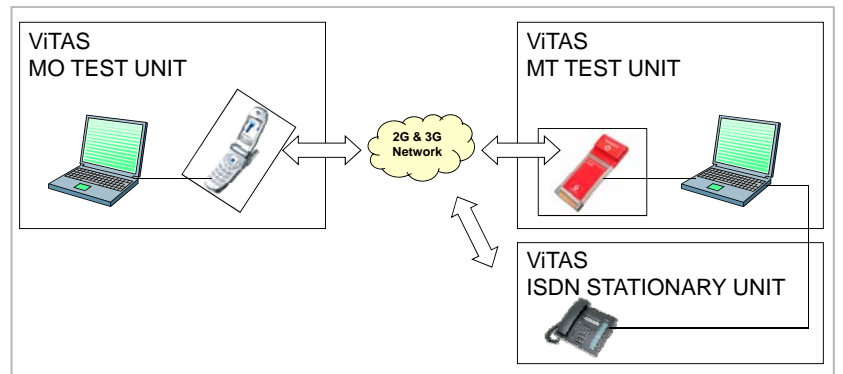
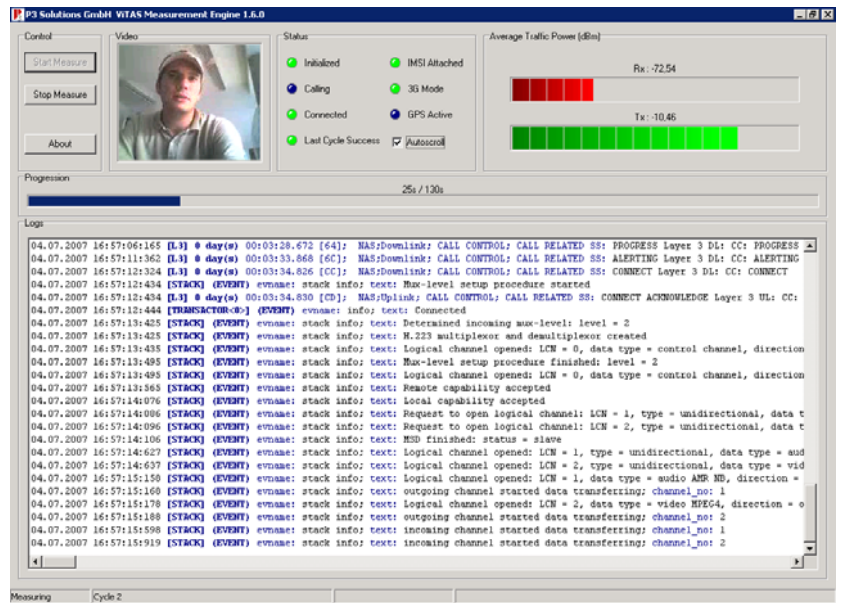
Video & Voice Telephony Analysis System

Intro

ViTAS is P3 communications' E2E measurement suite for automated analysis and evaluation of voice & video telephony services in 2G & 3G networks.

Benefits

- + Combining advantages of testing close to the "real" customer experience and KPI calculation results in customer oriented optimizations of voice & video telephony services
- + Automation with accurate timing, reliable statistics and large sample sizes replaces expensive manual testing
- + One tool for analysis & visualization of all network, video and voice KPIs with drill-down capability
- + ViTAS can also be used for stationary & mobile measurements like walk or drive tests including GPS support



Key Features

- Measurement of full ETSI voice & video KPI set
- PESQ Speech Quality + PEVQ Video Quality Assessment
- Support for ISDN fixed lines, commercial data cards and handsets
- ViTASwitch hardware for automatic rebooting of handsets
- Graphical visualizer & statistics tool
- In-house developed H.324M VT Software Stack

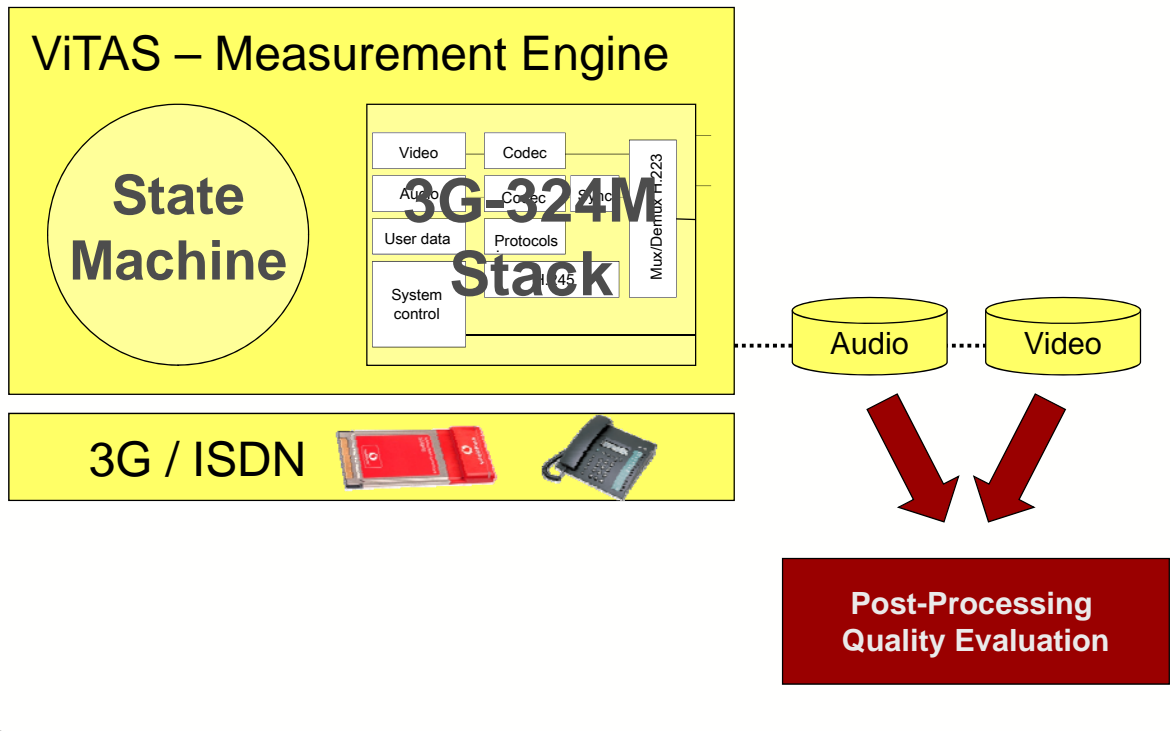
Summary

ViTAS is P3 communications' end-to-end measurement suite for automated analysis/ evaluation of voice & video telephony services in 2G & 3G networks. Real handsets or data cards and

simulation of key events are used to recreate end user behavior and experience. All measurements are based on ETSI and Vodafone specified voice & video telephony KPIs.

P3 communications' 3G-324M-software stack offers recording of all raw media streams and advanced voice & video quality assessments as well as internal state logging.

Overview



Specifications

General

- Full ETSI voice & video KPI set
- PESQ Speech Quality Assessment
- PEVQ Video Quality Assessment
- Supports
 - ISDN fixed lines
 - Commercial data cards, e.g.
 - Option, Novatel
 - Commercial Handsets, e.g.
 - Samsung Z560
- Graphical visualizer
- Statistics Tool

H.324M Software Stack

- Logging of all layers including accurate timing
- Full tracing of H.245 & H.223 messages and internal state machine
- Fully configurable handset emulation (mux-tables, outgoing channel set)
- Transmission of pre-encoded content streams
- Recording of incoming content streams per logical channel including detailed time stamping for post-processing

ViTAS

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