

 Product sheet

XCAL Auto



-  Air Interface
-  Performance
-  Optimisation
-  Customisation

XCAL-Auto

Auto Data Collection System

XCAL-Auto is an unattended, remote controlled system that automates subscriber-based data collection. It supports almost all smartphones and tablets available on the market today, giving you a real life view of what subscribers actually see and hear in the network (including the use of all major applications like web-surfing etc).

With the XCAL-Auto system a number of products can seamlessly gel to form an enterprise-level, subscriber-centric QoS solution. Simply by installing various kinds of clients such as XCAL, XCAL-P8E and XCAL-Mobile (iPhone, Android based phone etc.) in any vehicle, XCAL-Auto automatically collects data over the air and stores it in a central server. The clients can be easily controlled and configured to perform a huge variety of test calls.

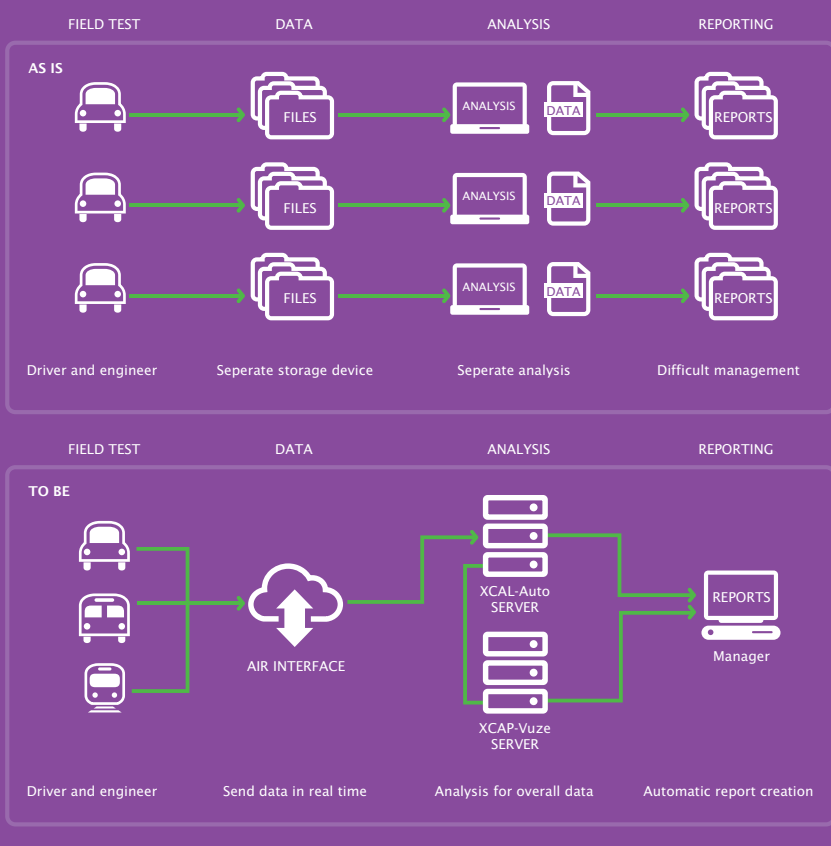
Use XCAL Auto to

- Automatically collect network data over all wireless technologies - 2G, 3G and LTE
- Perform MOS analysis for voice and video using smartphones
- Understand exactly how subscribers see network performance using the phones they use
- Collect competitive benchmarking data for monitoring network performance, QoS and troubleshooting
- Pin-point and pre-empt network bottlenecks
- Effectively manage opex

Benefits

- Massively reduces the cost of collecting network performance data
- Use all the latest smartphones and tablets in QoS-related analysis
- Measure several mobiles simultaneously, assigning different call scenarios to each mobile
- Alert events, messages and RF parameters with audible alarms
- Automatically upload and monitor measured data in realtime in the control server
- Consistent enterprise-wide reporting
- In-building analysis
- Highly configurable, easy to use and set up
- Realtime parameter displays
- Realtime communication history between the server and remote unit.

XCAL-Auto System Configuration



Comparison

Comparison	Normal Measurement Tool	XCAL-Auto
Convenience	Requires Complicated set-up process such as Port Setting, Phone Setting, Log Mask, Autocall Settings	Set test from server - remotely Perform turn-on and off by test driver
Accuracy	Unreliable statistics is a common problem due to complex set-up process	High reliability for statistics as server manages and corrects test conditions and settings
Flexibility	Install extra functions and patch manually, often at extra cost	Manage new version in real-time at server - offered as a fully process-aignd platform
Education	Requires significant training and labour costs for nationwide testing	Easy to set-up, configure and use Highly stable and robust
Reliability	Impossible to expect restoration for problems such as programme, mobile or GPS errors in test site	Provide automatic programme restoration function, server communicates and restores errors



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