

### **Powerful Analysis & Reporting**

XCAP is a powerful and highly configurable analysis platform that allows you to mine, analyse and report data gathered in XCAL. Available as both a stand-alone platform and an enterprise-grade client-server solution, it supports all wireless standards and major third party data formats.

XCAP minimises OPEX by automating the whole network post-processing and troubleshooting workflow. Because it's designed by engineers for engineers, it comes loaded with a comprehensive list of standard-specific KPIs, is easy to use, configure and maintain and is continually evolved to capture user feedback and major feature upgrades.

#### Use XCAP to

- Quick troubleshooting and conduct root-cause analysis of wireless networks - including massive volumes of drive
- Provide detailed reports on service-specific and overall network performance
- Benchmark radio and application level
- Build and present KPI reports across the enterprise
- Analyse trends and perform complex statistical analysis
- Visualise service and network-level performance geospatially

#### **Benefits**

- Scalable, stable platform either stand-alone or client-server configuration
- Robust data management system for managing and mining massive volumes of data quickly and easily
- Technology independent and first to market for new technologies
- Supports every major new wireless technology: GSM, GPRS, EDGE, WCDMA, HSDPA, HSUPA, HSPA+, DC-HSDPA, CDMA2000, EVDO Rev.0, Rev.A, Rev.B, TD-SCDMA, WiMAX, LTE, LTE-A, LTE-3CA, LTE-U and 5G-NR (Sub-6GHz/mmWave, SA/NSA) and DSS
- Minimise OPEX through process automation
- Easy to use, install and configure and low cost maintenance
- Highly customisable, stable and robust
- User modifications (eg. new features/functions) are encouraged and custom delivered
- Pre-defined Customized Report
- Compatible with various chipset logs
  - Oualcomm
  - Samsung, LGE, GCT
  - Intel, MediaTek
  - Altair, Sequans

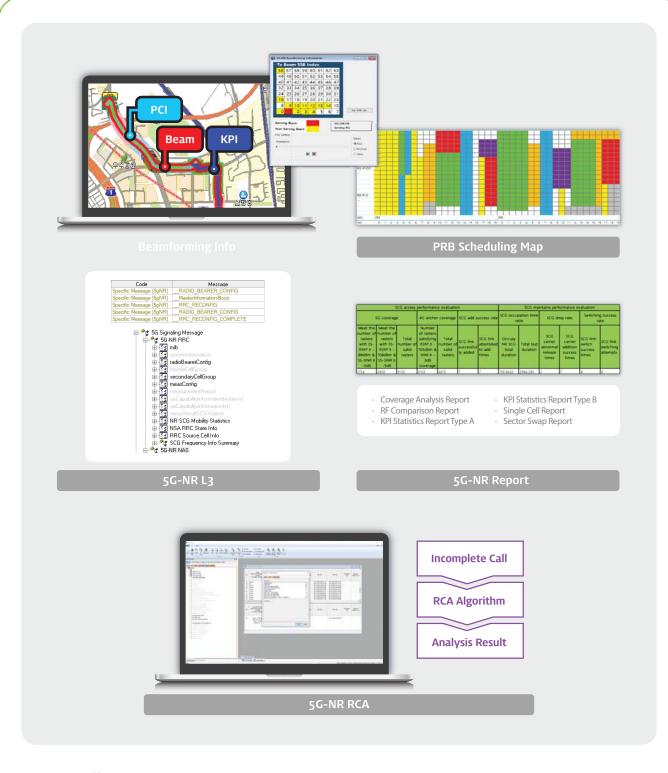


Together with XCAL, XCAP offers unparalleled sophistication and simplicity in improving your network performance.

#### **Key Features**

Multi-window synchronization analysis	Synchronizing with other window/table/map/graph for particular call and data's detail analysis
Coverage Analysis	Able to check real coverage of optimization sector or cell planning by RF data
Data Filtering Analysis	Filtering data by Bad Coverage, Good Coverage, Idle, Traffic stats or user defined condition and display result in table/graph/map/window
In-building Analysis	Support In-building condition analysis by inputting map
Packet Analysis	Support to analyze only packet information for packet data service
Application Analysis	APP analysis function and statistical items are added for Application such as Ping/VOD/HTTP and so on in Auto call
Statistics Analysis	Support statistical information for each call and able to analysis with particular parameter by synchronize with specific call
VoLTE Analysis	Able to analyze RTP (WB-AMR/EVS) packet and voice recovery
Voice QoS Analysis	Provide specialized function by combining general Time Domain analysis with Frequency Domain function
Shell Command based Interfacing compatibility	Support XCAP operation by Shell (Dos Prompt) Command Possible to link task to 3rd party tool
Scheduling Processing	Automated Task Processing in scheduling in unattended mode
Root Cause Analysis	Provides Root Cause Analysis for log analysis of drop and fail call to voice and data call
3GPP/ETSI KPI and Statistics	Provides FTP, HTTP, Email, Voice(VoLTE/UMTS) Statistics and LTE/NB-IoT/UMTS/GSM KPI
5G-NR Chipset/Scanner	Chipset : Qualcomm, Samsung, Hisilicon Scanner : R&S TSMx6, PCTel HB/IBFlex, Anritsu
5G-NR Analysis Feature	Best Server PCI & Beam Switch, NR-PCI Pollution Analysis, Dominant Beam Holding Information, NAS Coverage Delta Analysis, Interference Factor Analysis, NR-PCI MOD 3/4/12/30 RS Analysis, Overlapped Beams Analysis, Estimated Missing Neighbor Detection, NR SCG Mobility Statistics etc
5G-NR Report	5G-NR Coverage Analysis Report, 5G-NR RF Comparison Report, 5G-NR Site Report, 5G-NR KPI Statistics Report etc

# XCAP Log Analysis & Reporting



### Regional offices \_

South Korea (HQ) Innowireless Co., Ltd.

salesteam@innowireless.co.kr Tel: +82-31-788-1700

USA

Accuver Americas, Inc.

Sales:

sales.usa@accuver.com Tech Support: support.usa@accuver.com

Tel:+1-469-241-6100 Fax: +1-469-241-6199 UK

Accuver EMEA Ltd.

Sales:

sales.emea@accuver.com Tech Support :

support.emea@accuver.com Tel: +44-203-457-4486

Poland

Accuver EMEA Sp.

Sales:

sales.emea@accuver.com Tech Support :

support.emea@accuver.com Tel: +44-203-457-4486

Japan

Accuver Co., Ltd. Sales: sales@accuver.jp

Tech Support : inquiry\_aj@accuver.jp Tel: +81-3-6430-2581

Fax: +81-3-6430-2589 Website: www.accuver.jp Hong Kong

Accuver APAC Ltd.

Sales:

sales.apac@accuver.com Tech Support : support.apac@accuver.com Tel: +852-2210-7004

Fax: +852-2210-7017

# XCAP-Enterprise Log Analysis & Reporting & Sharing in Network

## **Powerful Analysis & Reporting**

XCAP-Enterprise is a powerful and highly configurable analysis server-client platform to share project work with multiple teams. It allows you to mine, analyze and report data gathered in XCAL in chained work with project members. It works 100% compatible with XCAP as well and it supports all wireless standards and major third party data formats.

XCAP-Enterprise minimises OPEX by automating the whole network post-processing and troubleshooting workflow. Because it's designed by engineers for engineers, it comes loaded with a comprehensive list of standard-specific KPIs, is easy to use, configure and maintain and is continually evolved to capture user feedback and major feature upgrades.

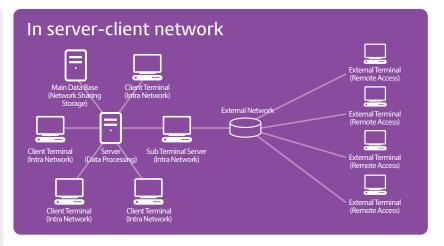
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- Minimise OPEX through process automation
- Shared work & analysis for colleagues in project to maximize an efficiency.
- Highly customisable, stable and robust
- User modifications (eg. new features/functions) are encouraged and custom delivered
- Pre-defined Customized Report
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VoLTE Analysis	Able to analyze RTP (WB-AMR) Packet and voice recovery
Voice QoS Analysis	Provide specialized function by combining general Time Domain analysis with Frequency Domain function
Sharing Logging Files and Models	Logging files and models of the server can be shared with other clients
Web (X-view) interworking	Analysis of event call through interworking with Web (X-view)
Model Management Function	Models can be created and managed by account or project
Server Auto Export	Automatically export logging files in a specific folder to the Favorite and Statistic set by the user
5G-NR Chipset/Scanner	Chipset: Qualcomm, Samsung Scanner: R&S TSMx6, PCTel HB/IBflex
5G-NR Analysis Feature	Best Server PCI & Beam Switch, NR-PCI Pollution Analysis, Dominant Beam Holding Information, NAS Coverage Delta Analysis, Interference Factor Analysis, etc
5G-NR Report	5G-NR Coverage Analysis Report, 5GNR RF Comparison Report, etc