

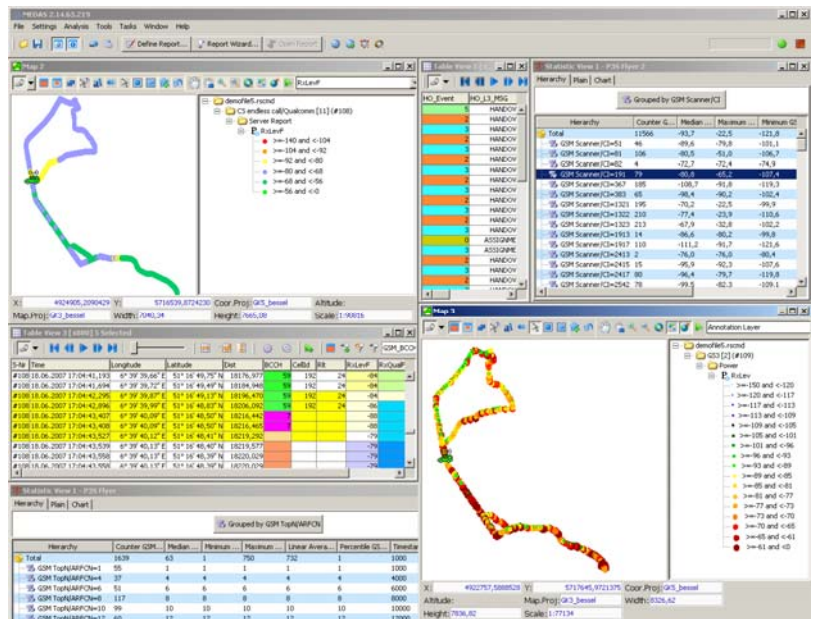


Intro

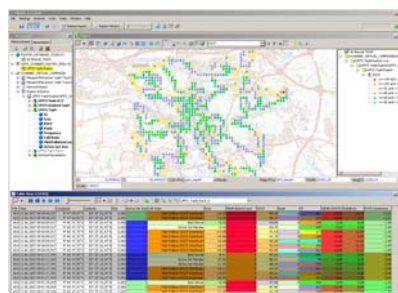
MEDAS is P3 communications powerful post-processing suite of tools supporting numerous drive test data formats and proven in use by operators and infrastructure suppliers for network planning, analysis, and optimisation.

Benefits

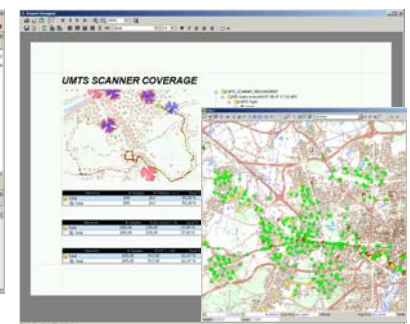
- + Shortened lead time from bulk import of drive test files to completion of KPI reports
- + Ability to quickly drill-down to problem areas and determine the root cause impacting QoS
- + Rapid bulk import of drive test data. Job queue can stretch to thousands of files ready for import with automatic data loading
- + Data stored in industry standard Oracle database tables and not flat files, for high performance analysis, reporting and integration with other systems
- + Fully automated workflows from data import to report generation reducing manual intervention and time to reports
- + Optional centralized data storage, maintenance & hardware scalability reducing costs
- + Product runs on standard PCs for standalone desktop & laptop use, or client server operation
- + Suited for all fields of use in planning, analysis & optimization



Fully synchronised views to compare measurements from different devices (e.g. user equipment and scanner)



UMTS coverage plots



Reporting Wizard and plot layout

Key Features

- Laptop, desktop & client server versions
- Powerful post-processing and data warehouse product
- Multi-measurement / data format support
- Harmonised view of results coming from multiple measurement systems allowing easy data comparison & KPI evaluation
- Scalable architecture and open interfaces for seamless integration
- Server version operating on Windows Server 2003 or Solaris
- Intuitive user interface with drag & drop functionality
- Powerful GIS architecture
- Integrated graph and chart functionality
- Reusable templates for automation of different tasks
- Standard and customisable KPIs included
- Reporting Wizard for customer reporting
- Rich and customisable statistics engine
- IP Module for IP trace analysis

Summary

Network performance information is fundamental for operators seeking a high QoS, reduction of customer complaints and increase of revenues.

MEDAS is a next-generation post processing software tool developed for the import and efficient analysis of large amounts of measurement data for iterative network optimisation.

MEDAS provides quick assessment of network coverage, QoS and trends as well as cause and effect of inconsistent network performance.

Management and evaluation of the extensive data is realised via multiple views, that can be synchronised. KPI tables and a powerful GIS module are coupled with analysis views of raw and detailed trace data.

All MEDAS tools are shipped with standard KPI templates and support of common 2G/3G technologies and data formats. (see overview and specs below)

MEDAS' combination of organisational and analytical database functionality offers a fast, flexible and broad data access, unmatched in today's telecommunication markets.

Overview

	Purpose	Database size (Oracle)	Client / Server	Importers	Multi-User	Parallel Processing	30 day trial	License
MEDAS® Explorer (Laptop)	Lab / Field Analysis	<4GB	Windows XP	One of available types			X	Single
MEDAS® Investigator (Desktop)	Post-Processing / Desktop Analysis	unlimited	Windows XP	Multiple			X	Single
MEDAS® Group Investigator (Client/Server)	Post-Processing / Workgroup Analysis	unlimited	Windows XP/ Windows 2003, Solaris	Multiple	X	X		Floating

X = available

Fields of Use / Specifications

Primary Fields of Use

- Network Planning, Analysis & Optimisation
- Roll-out Validation
- Network Performance measurements
- Radio Link Analysis & Optimisation
- Trend Analysis & Optimisation of network growth cycles
- Regional & National Quality Assessment
- Identification of network areas with poor performance
- Competitor Benchmarking

Management Support

- Work flow automation
- Efficient routine task handling
- Cost savings
- Refined IT & Operations process
- Network Audit

Supported Radio Access Technologies

- GSM, GPRS, EDGE
- UMTS, HSDPA
- LTE
- TETRA
- DVB-T
- CW

Supported Data Formats

- CMD, RSCMD – Rohde & Schwarz
- CVD – Focus Infocom
- DAT, PCAP – Wireshark, Ethereal
- NMO – Anite
- QMD – Ascom (license by Ascom required)
- P3M – P3 communications
- ASC, CSV (ASCII)
- Customer specific formats

Available Plug-ins

- GSM/GPRS/EDGE

- UMTS/HSDPA/HSUPA
- LTE
- TETRA
- IP Module
- 2G/3G Handover Analysis
- Automatic Neighbour Optimisation Analysis
- Call Analysis
- Automatic Error Classification
- Network Element History
- WMS access

Sample of Display Functions

- Table View / Chart View (X/Y)
- GIS View with pixel & vector graphics
- Histogram View
- Bar & Pie Charts
- Percentiles/Statistic Browser
- Info Cursor
- Replay Mode + different speed settings
- View Synchronisation