NetTester

NetTester:InSite

Deploying Cellular and Wi-Fi Networks Faster

We recognised the need for a tool that would accelerate the commissioning of wireless networks and reduce the costs associated with faults and site revisits. So we built it.

NetTester:InSite significantly reduces commissioning time and cost, improves efficiency and reduces error rates by guiding field staff through the commissioning process and providing integrated and intelligent testing tools.

NetTester:InSite provides detailed management reporting and real time commissioning status, that allows for effective management decision making and facilitates improved roll out times.

Eliminate the Guesswork.

Wireless operators are under pressure to be first to market with the latest generation cellular and Wi-Fi technology, and to reduce the cost of network deployment.

NetTester:InSite is an easy to use smartphone solution that combines a mobile field service management capability with sophisticated radio test functions.

The solution automates the commissioning and verification of wireless infrastructure by guiding field technicians through a step-by-step process that includes;

- Documentation & Data Entry
- Photo Capture
- Process Checklist

Management is under competitive pressure to increase the rate of deployment, ensure sites are defect free and to reduce costs. NetTester:InSite is an effective tool that supports these objectives.
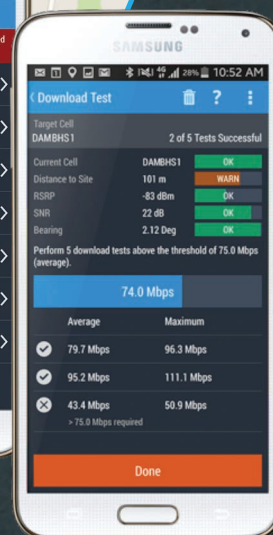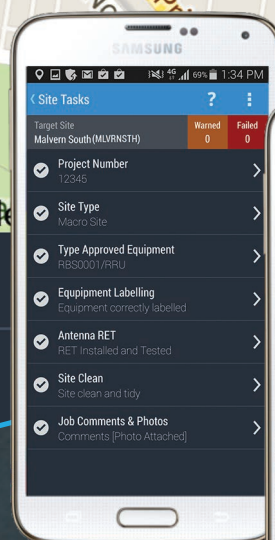
As an integrated part of the process, NetTester:InSite enables the field technician to accurately audit the site by completing performance tests including:

- Network Performance Tests
- Voice Tests
- Handover Tests
- Wi-Fi Tests

Data is tracked and reported in real time to allow managers to make tactical decisions, monitor contractor performance and manage the network deployment more effectively.

Job Management & Dispatch	Job Process Automation	Integrated Site Performance Testing	Job Complete	Management Review
Job Allocation	Documentation and data entry Photo Capture Process Checklist	Network Performance Voice Test Handover Test Wifi Test		Reporting Performance Reporting KPI/SLA Reporting

NetTester:InSite Delivers

Enables Faster Deployment

Guides field staff through the tasks required to audit the site faster and more accurately, resulting in faster network deployment.

Reduces OPEX

Reduces the primary cost of commissioning wireless networks. Automation of the commissioning process improves workforce efficiency, reduces the site failure rate and need for revisits, and eliminates costly double handling of information.

Identifies Defects Faster

Steps field staff through the commissioning process by integrating advanced mobile test capabilities to identify site construction defects faster and more accurately.

Improves Decision Making

Accurate and up-to-date roll out information enables Managers to make informed and tactical decisions, thereby optimising the deployment and performance of contractors.

Monitors Contractor Performance

Data is tracked and reported in real time, enabling Managers to monitor contractor performance and ensure that service level and quality assurance agreements are being met.

Achieve Targets

Improved efficiency delivers projects on time and to budget. Accurate and real time reporting provides visibility for all stakeholders and enables effective management.

NetTester: InSite Product Specifications

Supported Handsets

- Samsung Galaxy S5
- HTC One M8
- Android v4.2 or higher

Upload, Download & Latency Testing

- Pre-test criteria (location, distance from tower, cell identity, signal strength, quality)
- Post test success thresholds (dynamic based on cell configuration)

Call Origination & Termination

- Pre-test criteria (location, distance from tower, cell identity, signal strength, quality)
- Post test success thresholds (dynamic based on cell configuration)

Extended Site Details

- Site Name/Identifier, Location (Lat/Long, Address)
- Deployed technologies and bands

Extended Cell Details

- CGI, Technology, Band, Bandwidth, PCI/PSC
- Antenna Configuration (bearing, height, type)

Handover Tests

- Inter and intra site handover tests
- Data performance thresholds
- Handover event mapping and logs

Workflow Automation

- Electronic data capture
- Photo capture
- Configurable options list
- Operator defined work flow templates
- Dynamic work flow creation based on site configuration
- Task and test meta data includes; times, GPS location, user, status of task, result summary, detailed test results

Mobile Field Service Management

- Real time field test and task upload
- Management system for user management and results analysis
- Job results export to third party management applications
- Job assignment to constructors
- Job PDF report generation

Mill Software. The company behind the innovation.

As expert software engineers, with significant experience in telecommunications, we've been developing products and solutions for our customers for over 15 years.

Our customer focussed approach ensures we find the best path-to-market, delivering commercially viable and effective solutions.

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