



Mobility Works, LLC

Patent Offering



Mobility Workx's IP and Technology



Patented innovative technology: MobileCAD,

- Packet-based Mobile Telecommunication Systems
- Emulation of network properties
- RF Fading and Simulation
- 3G/4G Handover Emulation and Playback
- MobileCAD Specification

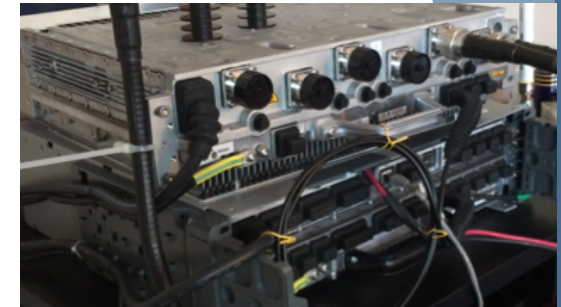


Combined patented technologies: MobileIP Proxy,

- Tracking your device with GPS/Location
- Handover based on Wireless Location
- Proxy mobility agents for Mobile IP-based protocols
- Faster handover and mobility UMTS to 4G to WiFi
- Dynamics Mobile IP implementation Prototype



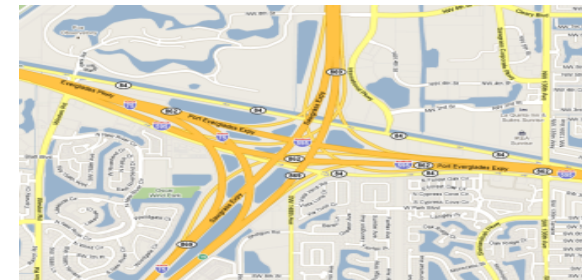
Portfolio licensed by
major mobile device
manufacturer



mobility
WORK

Impact Our Patents and Our Intellectual Property

- 1) ETSI Specification
 - 1) Wireless Testing and Simulation:
 - 2) Mobility Protocol: ETSI 23.402, ETSI 136.331, ETSI 129.275, and ETSI 136.300
- 2) Test Cases
 - 1) Mobile originated call emulation
 - 2) Mobile terminated call emulation
 - 3) Motion and motion prediction RF performance
 - 4) Automated testing and conformance
 - 5) RF Fading and simulation support (Raleigh, ...)
- 3) Protocol Mobility
 - 1) Predictive Handover
 - 2) GPS-based or location-assisted handoffs
 - 3) UMTS to 4G to WiFi /Packet Data Handover



Mobile Emulation that includes:

- Meets ETSI Specification
- Packet Data Updates
- Wireless and RF Performance
- UMTS to 4G to WiFi handoffs
- GPS Location-assisted handover
- Predictable Mobility

MOBILECAD FEATURES

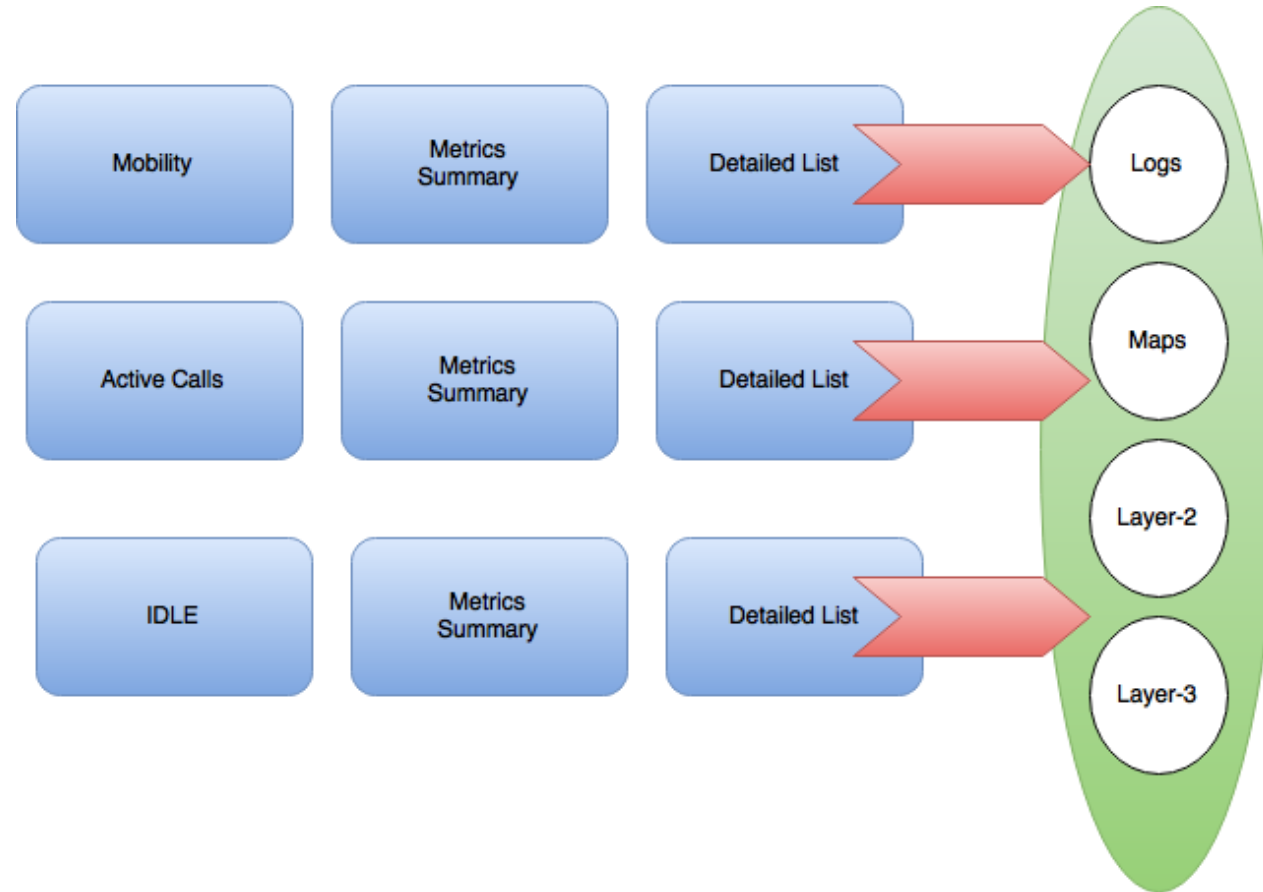
Mobile Terminated and Imitated Calls

RF Fading Models

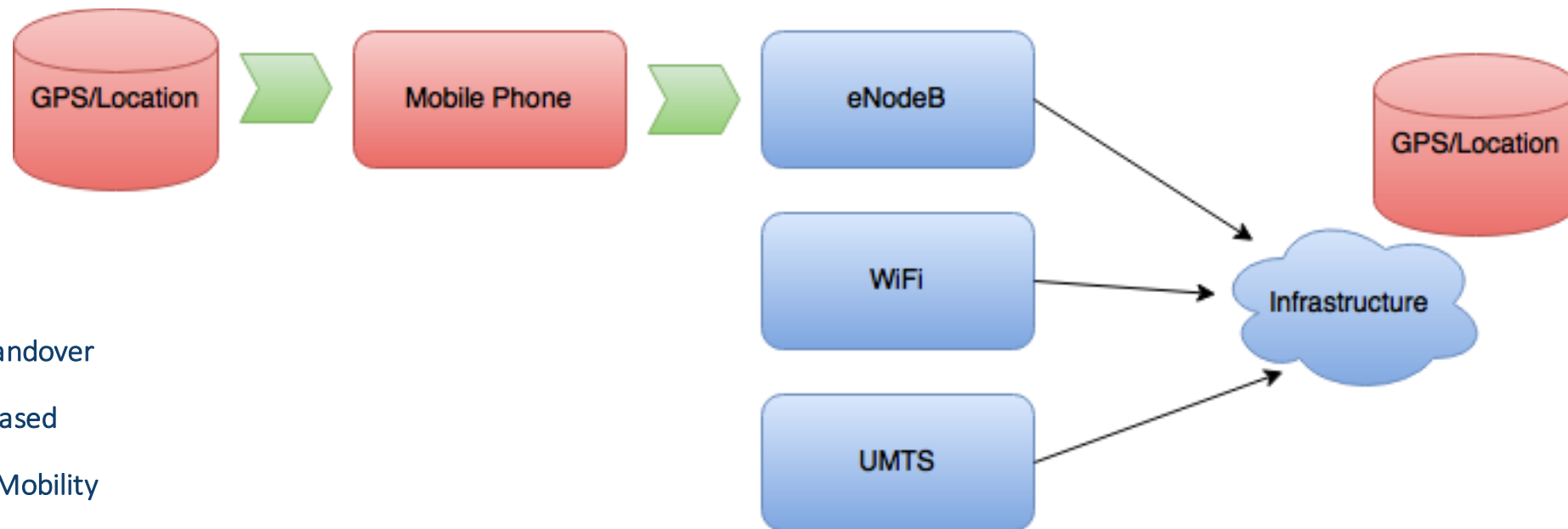
4G Backbone available

Conformance Testing

Software-defined Radio
Specification



MOBILEIPP FEATURES



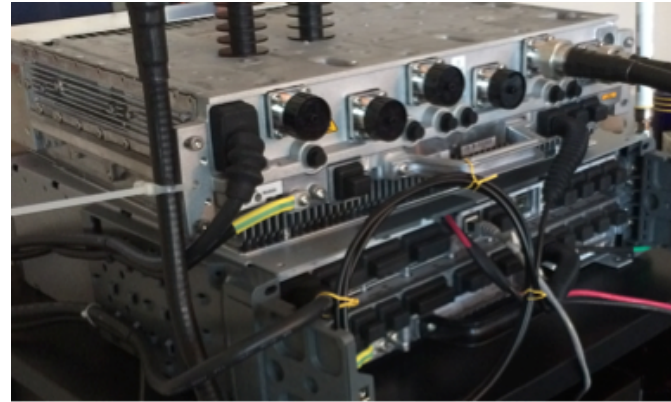
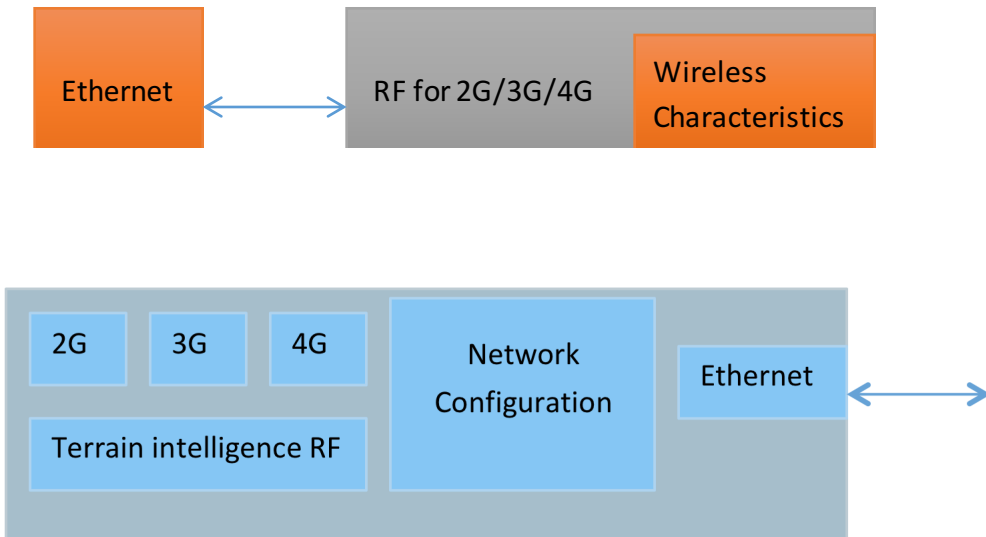
GPS-based Handover

Mobile IP - based

Proxy-based Mobility

Intra-domain handover
optimization

Mobile Testing and Wireless Simulation



Additional Patent Portfolio

- ✓ 1 Provisional Patents
- ✓ 3 Utility Patents

Licensed by two major phone manufacturers

Wireless Simulation using:

- RF Characterization
- Software-defined Radios
- Network Emulation
- Faraday Cage Testing
- GSM to 4G Support
- Mobile Originated and Terminated Test Cases

Inventors

Edwin Hernandez, PhD 10 issued US Patents, Motorola/Microsoft, Licensed technologies to major mobile phone manufacturers, and now Working on Mediamply in use by major cable operators in LATAM.

Sumi Helal, PhD. 12 issued US patents, Professor at University of Florida, Chief Editor of IEEE Computer Magazine, 100s of publications, books and entrepreneur. Featured in Florida Trends, Discovery Channel, others.

Additional Patent Portfolio

- ✓ 1 Provisional Patents
- ✓ 2 Additional Utility Patent Pending
- ✓ 1 Divisional Patent Pending



Utility Patent Claims Issued
Independent Claims: 10

Quick Launch from any “Connection Device” Includes:

- Mobile Handover
- 4G Mobility/LTE
- ETSI Standards
- Wireless Emulation
- Testing for mobile phone design
- Mobile protocols for 3G/UMTS