



# MOBILE THEME BRIEFING MAY 28 2010

- MORE – mobile technologies, networks, signals & locations
- FASTER – developments against new mobile internet applications
- BETTER – locating of mobile devices

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# Mobile Challenge

- 4 billion mobile subscribers worldwide...most prolific customer product ever invented
- By 2015 up to 90% of internet traffic will be accessed on mobile devices
- Over 200 3rd party Location Aware Applications on the iPhone alone
- Global mobile communications users outnumber internet users by 2:1
- Predicted that in 2011 mobile broadband will overtake fixed-line internet connections in the UK



## Project Scope & Objectives

- Users are moving their Internet access point from a fixed device to a mobile device. Mobile versions of common applications (for instance Facebook or Google maps) are not processed by our current capabilities.
- The Mobile Applications Project aims to deliver two capabilities:
  - capability against mobile applications (on both mobile and core Internet networks)
  - target-centric converged analysis of Voice, Text, C2C and Geo data
- All types of phone and OS present different challenges - Iphone, Symbian, Android, Windows Mobile, etc.

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# Planning Approach


- Tackle Mobile Internet first - GRX/GTP. Core Internet next.
- Project focused on exploiting Roaming Mobile Network Traffic (GRX) - Rich in Converged Data



- Pragmatic approaches - limited Mobile Resources e.g Use of Agility trials
- Ideally OPS driven – Technically informed
- Aiming for 20 Mobile Apps + 100 TDIs for FY10/11

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SECRET STRAP 1



## Capability - iPhone

- iPhone
  - Ported core WARRIOR PRIDE to the iPhone
  - iPhone specific plugins
    - Power Management – DREAMY SMURF
    - Hot mic – NOSEY SMURF
    - High precision GEO – TRACKER SMURF
    - Kernel stealth – PORUS
    - Self protection – PARANOID SMURF
    - File retrieval – any content from phone, e.g. SMS, MMS, e-mails, web history, call records, videos, photos, address book, notes, calendar, (if its on the phone, we can get it)

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## Capability - Android

- Android
  - In collaboration with CSEC started to port core WARRIOR PRIDE to the Android Platform – complete Q3 '10
  - Android specific plugins (same as iPhone)
    - Power Management – DREAMY SMURF
    - Hot mic – NOSEY SMURF
    - High precision GEO – TRACKER SMURF
    - Kernel stealth – PORUS
    - Self protection – PARANOID SMURF
    - File retrieval – almost any content from phone, e.g. SMS, MMS, e-mails, web history, call records, videos, photos, address book, notes, calendar, (if its on the phone, we think we can get it)

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