



Live. Work. Play. Stay.  
Connected



MAY 2008

# OS Platforms Update

CDG Latin America Regional Conference  
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# Software Platforms – Evolution Of The Wireless Ecosystem

1G

2G

3G & Beyond

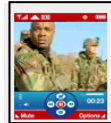
Phone



Mobile  
Communication



Information



Entertainment/ CE



Rich  
Communication



User Generated Content/  
Social Networking



Computing



*Enabled by standardized  
Application Platforms*

## Convergence of Services

- Mobility
- Access
- Personalization

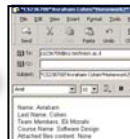
## Seamless User Experience



PC



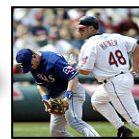
Computing



Simple  
Communication



Information



Entertainment



Rich  
Communication



User Generated Content/  
Social Networking



# Enabling Various Platforms For OEM & Carrier Needs



Laptop  
Connectivity



Consumer  
Feature Phones



Consumer  
Smartphones



Enterprise  
Smartphones



# Qualcomm & Microsoft Partnership First Windows Mobile "Single-Chip" (Baseband+AP) Handsets

- **Slimmer, longer lasting, lower cost handsets**



**Windows Mobile®**

- Most complete enablement package
- Complete Modem + GPS Integration
- Full DirectShow multimedia

**WORLD MODE™**  
CREATING A WORLD WITHOUT BOUNDARIES

- WorldMode with seamless switchover
- Available in 2008 handsets

- OHA's Goal: "Accelerate innovation in 3G-connected services"
  - Qualcomm is a founding member
  - Over 30 companies involved (Carriers, OEMs, Content Providers, Silicon Vendors)
- Android™: The first complete, open, and free mobile platform.
  - Core Linux OS
  - Telephony stack
  - Multimedia Framework
  - Virtual Machine
  - Application Framework
  - Applications
- Availability 2H 2008
  - Android Software platform will be licensed under Apache 2.0 upon the release of the first commercial Android-based handset

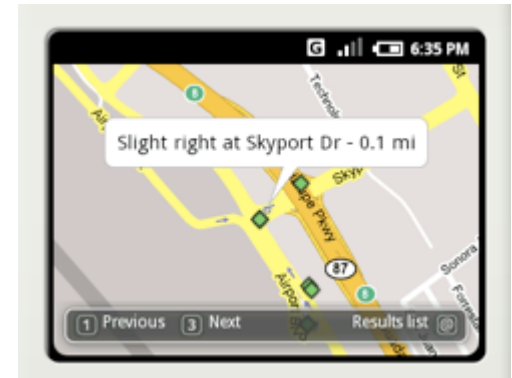


## Qualcomm & Google Collaboration

- Working to port Android software onto the MSM & Snapdragon chipsets
- Enabling both UMTS and CDMA chipsets

## Integration and Optimization

- Multimedia
  - Integration of audio subsystem
  - Integration into Android OpenCore multimedia framework
  - Hardware acceleration of video & audio codecs
- Modem/LBS
  - Fully integrated multimode RIL
  - Integration of GPS system
- System Integration
  - Optimization of boot time and performance
  - Enabling multimedia concurrencies
  - Power management optimization



# Enabling A Wide Array Of Open OS Handsets

QSD8650

QUALCOMM



## 1Ghz Mobile Internet Devices

- >1Ghz Scorpion
- 30fps 720p HD multimedia
- 3D & 2D Graphics acceleration
- GPS

MSM7501A

QUALCOMM



## Multimedia/Graphics Centric PDAs

- 528Mhz ARM11
- 30fps VGA with WVGA panels
- 3D & 2D Graphics acceleration
- GPS

MSM7525

QUALCOMM



## Low Cost Smartphones

- Sub \$200 handsets
- 528Mhz ARM11
- 15fps VGA multimedia
- 2D Graphics acceleration
- GPS



Thank you!