Redefining Mobility

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April 1, 2008



Mobility Today



- Local Applications
- Form Factor-driven I/O
- Limited View of Internet
- Fixed User Interface
- Location-aware
- Wired Sync

Mobility Tomorrow: What People Want

Today

Local Applications

Touch I/F

Form Factor driven I/O

Limited View of Internet

Location-aware

Wired Sync

Тотого

+ Web Applications

Gestures & Voice I/F

Nearby Device driven I/O

Uncompromised Internet Experience

Location Relevance

Wireless Sync

Redefining Mobility

More Powerful Mobile Devices

More Aware Mobile Devices

More Personal Mobile Devices

Carry Small, Live Large



A New Vision For Our Future...

Carry Small: More Performance, Smaller Platform



A Vision of tomorrow's mobile device:

- Carry essential computational resources
- More compute & graphics power
- Anytime, anywhere connectivity
- Sensors to understand world around you
- Platform-wide power efficiency

Live Large: Better Experience

That knows No Bounds...

- Delivers amplified, more robust mobile experience
 - Seamless access to new Devices, Networks and Services
 - Understands & Anticipates what you want to do



Living Large

Wireless Docking

Multi-Display Gaming

Personalized Shopping

> Travel Advisor

The second secon

Conference Room

Wireless

Display

Making CSLL Real: What's the Technology?



To Carry Small, We Must Transform Connectivity



Technologies for Multi-Radio Integration



Keys: Size, Efficiency, Flexibility

Traditional Mobile Device



Enrich the Mobile Experience with Nearby Devices



Dynamic Discovery of Nearby Devices

- Wireless discovery of sleeping devices
- Request connections when needed

Easy and Secure Connection SetupPin entry or NFC touch

Remote Graphics Rendering



(flash animation)

Anticipating What You Want: Context Awareness



Goal: Human supervised experience, not human controlled

What will it Take to Realize the Vision?

Industry cooperation

Standards

Technology convergence

Industry Taking Divergent Paths...



Architect Convergence to Accommodate Divergent Requirements



Example Approach for Short-Range Wireless

A Vision for Consolidated Platform I/O





Carry-Small Live-Large: The New Definition of Mobility

More Powerful Mobile Devices

More Aware Mobile Devices

More Personal Mobile Devices

Users & companies will benefit from convergence and standards that will enable the future of mobility

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