

2013 Corrections Technology Association

Annual Technology Summit

Tuesday June 4 (3:45pm to 4:45pm) – Mobility Track

Mobility + Corrections ≠ Taboo

Today's Presenters

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Today's Agenda

➤ Introduction to BerryDunn

➤ Mobile Strategy Considerations

- Federal guidance on BYOD approaches
- Mobile Strategy Considerations
- Mobile Strategy Considerations in Corrections

➤ Questions and Discussion



INTRODUCTION – BerryDunn

Our Practices

➤ **Accounting and Management IT Consulting Firm**

- 200 Staff
- Serving Customers for over 40 years
 - IT Consulting
 - Audit and Accounting
 - Tax Services

➤ **Government Consulting Group**

- Over 40 Consultants
- Leverage Subcontractor Partners
- State and Local Government
- Justice and Public Safety Focus

INTRODUCTION – BerryDunn

Our Independence and Objectivity

- ◆ We **do not** sell or develop hardware or software.
- ◆ We **do not** partner with software developers or solution providers.
- ◆ Our **independence** allows BerryDunn to provide objective IT consulting services and offer recommendations that represent the client's best interests.

Why Consider Mobility?



This means it is your turn...

First, the stats...

- PC sales dropped 1.1 percent compared to last year (*)
- 2014 forecasted tablet growth: 213 % (**)
- By 2013, global tablet sales will exceed desktop PC sales(***)
- Market Penetration Rate(****):
 - Landline telephones: 45 years / 5 % to 50 %
 - Mobile phones: 7 years / 5 % to 50 %
 - Smartphones: 4 years / 5 % to 40 %
- Over 46% of American adults now own smartphones

(*) Gartner

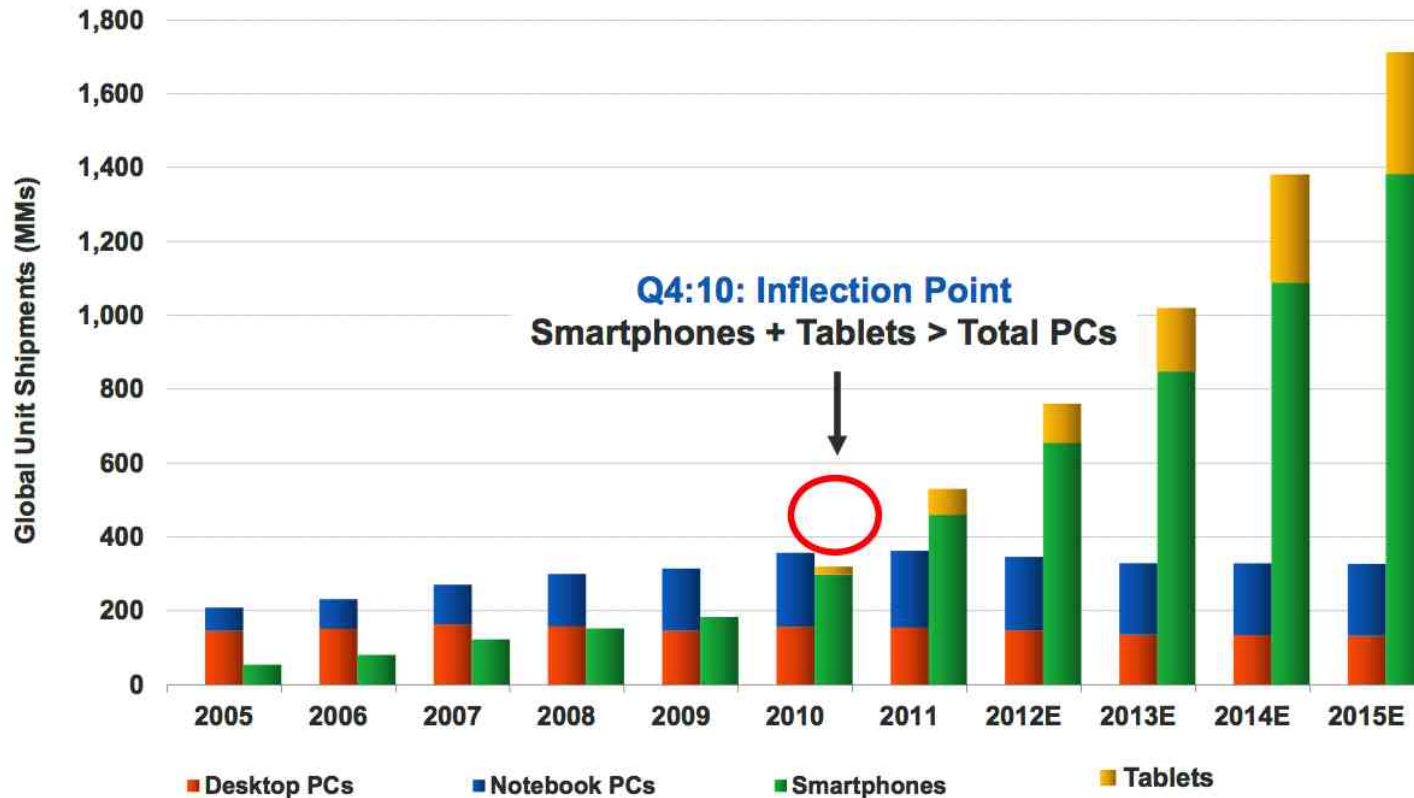
(**) IMS Research

(***) IDC

(****) MIT

Global Smartphone + Tablet Shipments Exceeded PCs in Q4:10

Global Unit Shipments of Desktop PCs + Notebook PCs vs. Smartphones + Tablets, 2005-2015E



KPCB

Note: Notebook PCs include Netbooks. Source: Katy Huberty, Ehud Gelblum, Morgan Stanley Research. Data and Estimates as of 9/12.

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Definitions

- Mobile Technology
- “BYOD” - Bring Your Own Device
- MDM
- Virtualization
- Walled garden
- Limited separation

WHAT DOES THE FEDERAL GOVERNMENT SAY?

What does the Federal Government say?

- **Cloud + Mobile Devices + Collaboration Tools = Opportunity / Challenges**
- **Must architect systems for interoperability and openness**



What does the Federal Government say?

- **Mobility Strategy Objectives ***
 - Enable access to high-quality digital government information and services.
 - Procure and manage devices, applications, and data in smart, secure and affordable ways.
 - Unlock the power of government data to spur innovation across our Nation and improve the quality of services for the American people.

What does the Federal Government say?*

- **Early BYOD Strategies Based on Early Adopter Agencies**
- **BYOD Strategy Not Mandatory**
- **Future Federal Gov Deliverable: Mobile Security Reference Architecture**
- **The National Institute of Standards and Technology (NIST) is also drafting several standards and guidelines focused on mobility**

MOBILE STRATEGY CONSIDERATIONS

Mobile Strategy Considerations *

- **Iterative Process**
- **Technical Architecture**
- **Roles and Responsibilities**
- **Staff Incentives / Compensation**
- **Education, Use and Operation**
- **Security, Privacy, Ethics and Legal Policies**
- **Service Providers**
- **Devices and Applications**
- **Asset Management**
- **Conduct a Cost-Benefit Assessment**

Mobile Strategy Considerations

- MDM (Mobile Device Management)
- Virtualization

Mobile Strategy Considerations - MDM

- Benefits
 - More control of mobile devices
 - Better user experience
- Shortfalls
 - With more control comes more restrictions for the end-user

Mobile Strategy Considerations - Virtualization

- Benefits
 - Increased flexibility
 - Data is never stored on an end-user's device
- Shortfalls
 - User experience is largely dependent on a reliable Internet connection

MOBILE STRATEGY CONSIDERATIONS IN CORRECTIONS

Mobile Strategy Considerations in Corrections

- **Security**
 - **Physical**
 - **Systems and Data**
- **Connectivity**
 - **Wireless / Cell**
- **Targeted Usage**
 - **Administration**
 - **Healthcare Services**

Reference:

A Federal Government BYOD Toolkit

<http://www.whitehouse.gov/digitalgov/bring-your-own-device> (*)

Case Studies:

- Alcohol and Tobacco Tax and Trade Bureau (TTB) Virtual Desktop Implementation
- U.S. Equal Employment Opportunity Commission (EEOC) BYOD Pilot
- State of Delaware BYOD Program

Example Policies:

- Sample #1: Policy and Guidelines for Government-Provided Mobile Device Usage
- Sample #2: Bring Your Own Device – Policy and Rules of Behavior
- Sample #3: Mobile Information Technology Device Policy
- Sample #4: Wireless Communication Reimbursement Program
- Sample #5: Portable Wireless Network Access Device Policy



(*) Bring Your Own Device
A Toolkit to Support Federal Agencies Implementing Bring Your
Own Device (BYOD) Programs
August 23, 2012

Questions and Discussion

Thank You!

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