

WELCOME TO

When Business is Personal: A Chat about MDM & BYOD

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1

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2

1

SESSION INFO



AUDIO/VIDEO

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At the end, fill out the survey for a chance to win an Amazon gift card.



RESOURCES

The slides, a recording, and certificate of attendance will be sent via email.



QUESTIONS

Use the "Questions" panel to chat with the presenters and Tandem team.



3

-  Audit Management
-  Business Continuity Plan
-  Compliance Management
-  Cybersecurity
-  Identity Theft Prevention
-  Incident Management
-  Internet Banking Security
-  Phishing
-  Policies
-  Risk Assessment
-  Vendor Management



4

ABOUT THE SPEAKERS



Alyssa Pugh

GRC Content Manager
Tandem



Chris Brewer

Team Lead
CoNetrix Technology



5

POLL QUESTION

What type of organization do you currently work for?



6

Agenda

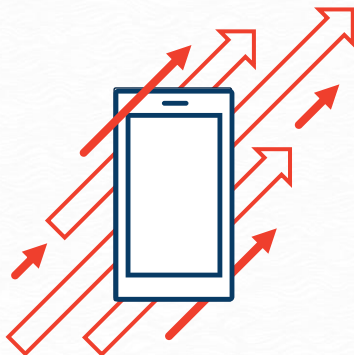
- Mobile Devices
- Bring Your Own Device (BYOD)
- Mobile Device Management (MDM)
 - Regulatory Guidance
 - Administrative Controls
 - Technical Controls
- Frequently Asked Question
- Key Takeaways

**SUBMIT YOUR
QUESTIONS!**



7

WHY MDM & BYOD



Rise of Mobile Devices



Rise of Remote Work




8

WELCOME TO

When Business is Personal: A Chat about MDM & BYOD


AND PROTECTING YOUR DATA

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9

Mobile Devices



10

POLL QUESTION

How many mobile devices do you actively use?



11

WHAT IS A "MOBILE DEVICE"

NIST & FFIEC DEFINITION

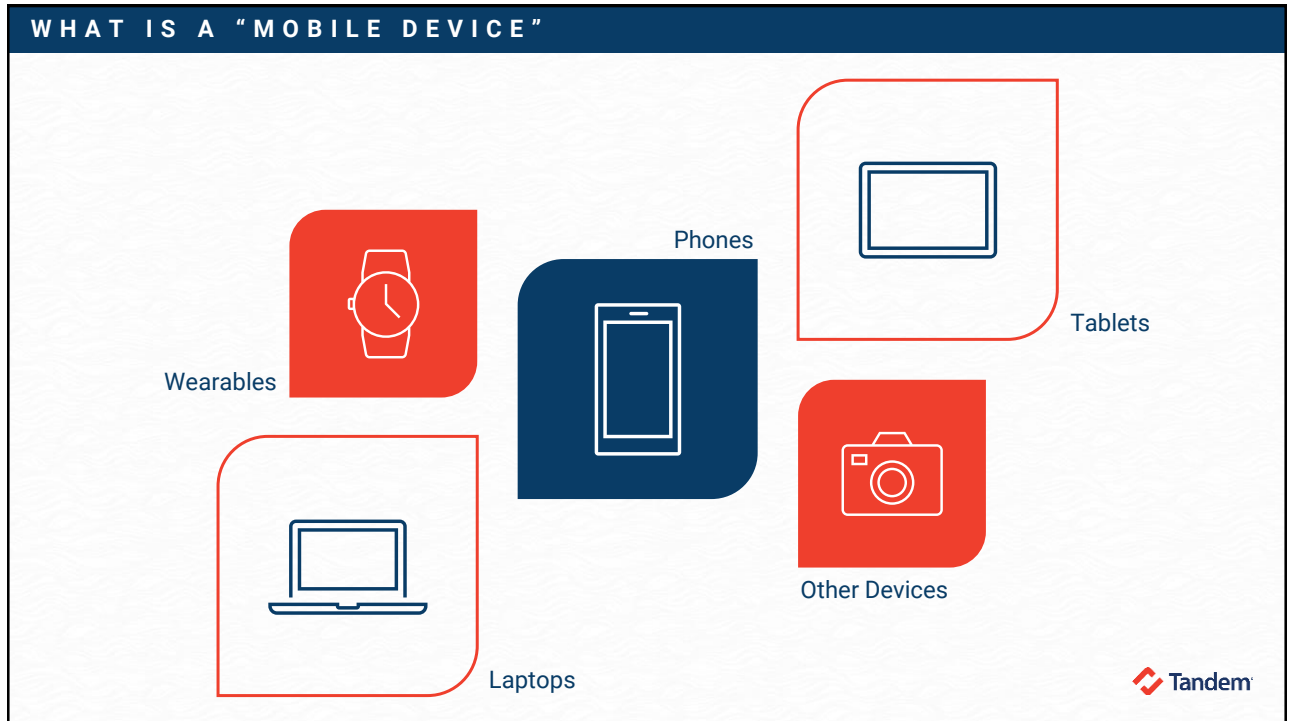
"A portable computing device that:

1. Has a small form factor such that it can easily be carried by a single individual;
2. Is designed to operate without a physical connection (e.g., wirelessly transmit or receive information);
3. Possesses local, non-removable data storage;
4. Is powered-on for extended periods of time with a self-contained power source."

1. Small
2. Wireless
3. Local Storage
4. Battery-Powered



12



13

KEY TAKEAWAY

Which mobile devices do I need to manage?

The ones where your data is at the greatest risk of being compromised.

SUBMIT YOUR QUESTIONS!

The Tandem logo is located in the bottom right corner of the slide.

14

Bring Your Own Device (BYOD) vs. Company-Owned Devices



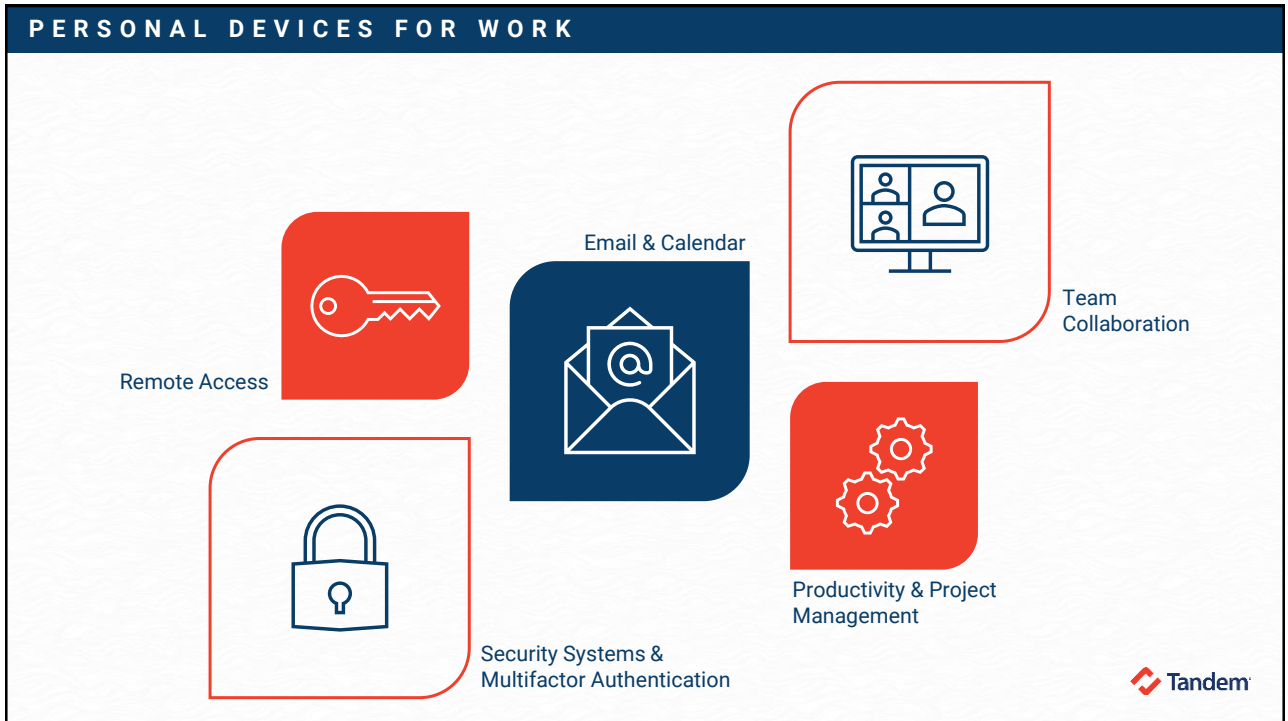
15

POLL QUESTION

Do you use your personal mobile devices for business purposes?




16



17

	BYOD	COMPANY-OWNED
Security	-	+
Compliance	-	+
Management	-	+
Boundaries	-	+
Autonomy	+	-
Privacy	+	-
Cost	+	-



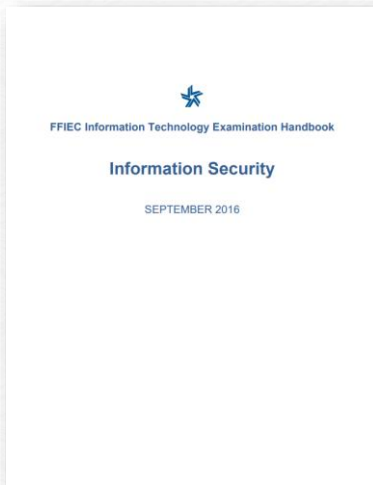
18

Mobile Device Management (MDM)



19

REGULATORY GUIDANCE



Administrative Controls

- Business Case
- Management Approval
- Regular Access Review
- Assurance & Testing*
- Policies & Procedures (Page 26)
- Training (Page 29)

Technical Controls

- Access Controls
- Anti-Malware
- Authentication
- Baselines & Configurations*
- Encryption
- Patch Management
- Log Management
- Remote Wipe*

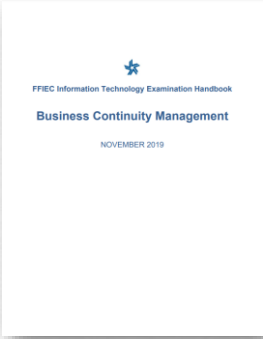
* For company-owned devices

FFIEC Information Security Booklet | II.C.15(d) Use of Remote Devices
<https://ithandbook.ffiec.gov/it-booklets/information-security/>

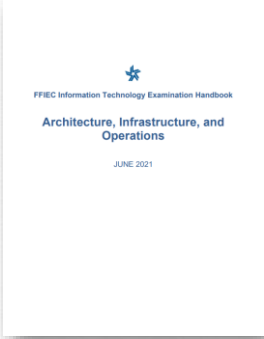


20

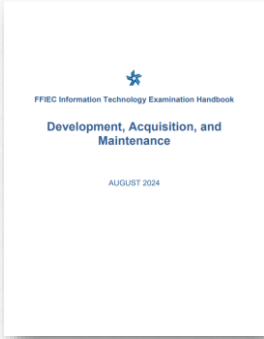
REGULATORY GUIDANCE



IV.B Communications
V. Business Continuity Plan




III.B IT Asset Management




V. Development

https://www.ffiec.gov/pdf/cybersecurity/FFIEC_CAT_May_2017.pdf
https://ithandbook.ffiec.gov/media/2nifgh2b/ffiec_itbooklet_businesscontinuitymanagement_v3.pdf
https://ithandbook.ffiec.gov/media/ywfm2ftz/ffiec_itbooklet_aio.pdf



21


INDUSTRY GUIDANCE



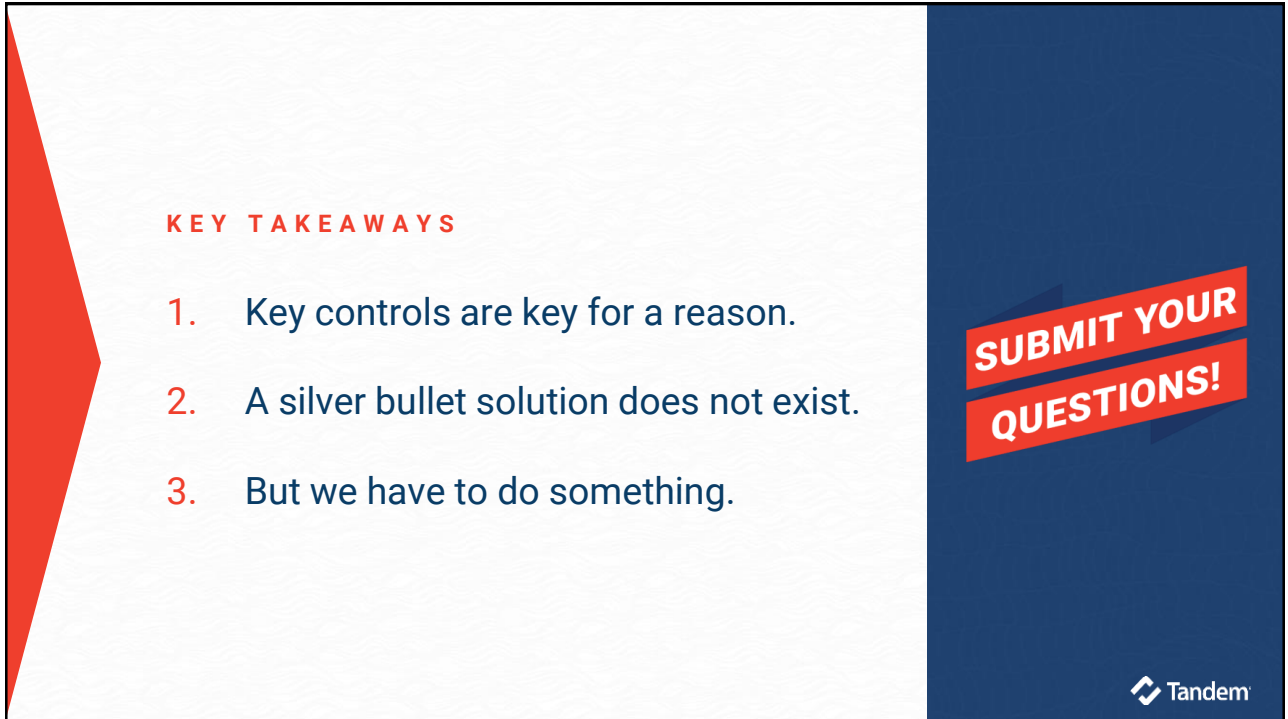
NIST CSF 2.0

“The Functions, Categories, and Subcategories apply [...] to all types of technology environments, including cloud, **mobile**, and artificial intelligence systems.”

<https://nvlpubs.nist.gov/nistpubs/CSWP/NIST.CSWP.29.pdf>




22



KEY TAKEAWAYS

1. Key controls are key for a reason.
2. A silver bullet solution does not exist.
3. But we have to do something.

SUBMIT YOUR QUESTIONS!

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This slide features a white background with a large red arrow pointing right on the left side. The text is centered in the white area. A dark blue vertical bar on the right contains a red banner with white text and the Tandem logo at the bottom.

23



**MDM
Administrative
Controls**

 Tandem

This slide features a white background on the left and a dark blue background on the right with a faint image of a laptop, a coffee cup, and glasses. The text is centered in the white area. A red and blue horizontal bar is positioned at the bottom of the white section. The Tandem logo is in the bottom right corner.

24

ADMINISTRATIVE CONTROLS

Training



Offboarding



Documents



25

ADMINISTRATIVE CONTROLS: TRAINING

1

Train on what mobile devices employees can and can't use.

2

Train on how to physically protect mobile devices.

3

Train on how to technically protect mobile devices.



26

Security Awareness Training (v7.0)

TECHNICAL SECURITY

Lock Your Devices

When you use a mobile device for work, **turn on the passcode and/or biometrics** to unlock it. Also, when you leave a device for any amount of time, even in a secure location, **lock or sign out of your account**. This way, if someone gets the device, it is much more difficult for the person to access your data.

← Back Next → Slide 20 of 78 Save & Close

Lessons 3/8

- Physical Security (v7.0)
 - About Physical Security
 - Secure Your Paper Data
 - Secure Your Laptop
 - Secure Your Devices
 - Secure Your Screens
 - Question 1
 - Question 2
 - Question 3
 - Question 4
- Technical Security (v7.0)**
 - Technical Security
 - Use Cybersecurity Features

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27

ADMINISTRATIVE CONTROLS: OFFBOARDING

- 1
Remove Access
- 2
Risk Assess
- 3
Reclaim Assets

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28

ADMINISTRATIVE CONTROLS: DOCUMENTS



Mobile Device Management Policy



Acceptable Use Policy / Agreement



Nondisclosure Agreement (NDA)



SUBMIT YOUR QUESTIONS!

Tandem.App/MDM-Policy-Template


MDM Technical Controls




31

TECHNICAL CONTROLS


MDM / MAM Systems




App Protection Policies



Conditional Access






32

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[Microsoft Intune Suite add-ons](#)


<https://learn.microsoft.com/en-us/mem/intune/>


33


MDM / MAM SYSTEMS














34

POLL QUESTION

Does your organization have a mobile device management (MDM) solution?



35

	MDM	MAM
Scope	Control of entire device	Control of specific apps
Policy Enforcement	Configuration, updates, and security of entire device	Configuration, updates, and security of specific apps
Remote Wiping	Full device	Limited to specific apps
User Privacy	More invasive	Less invasive
Deployment	Better for company-owned devices	Better for BYOD



36

APP PROTECTION POLICIES

LEVEL 1

Enterprise Basic
Data Protection


LEVEL 2

Enterprise Enhanced
Data Protection

LEVEL 3

Enterprise High
Data Protection

<https://learn.microsoft.com/en-us/mem/intune/apps/app-configuration-policies-outlook>



37

INTUNE EXAMPLE

✔ Basics
✔ Apps
3 Data protection
④ Access requirements
⑤ Conditional launch
⑥ Assign

This group includes the Data Loss Prevention (DLP) controls, like cut, copy, paste, and save-as restrictions. These settings determine how users interact with data in the apps.

Data Transfer

Backup org data to iTunes and iCloud backups ⓘ

Allow
 Block

Send org data to other apps ⓘ

Policy managed apps with Open-In/Share filtering

Select apps to exempt

Select universal links to exempt


Select managed universal links

Save copies of org data ⓘ

Allow
 Block

Allow user to save copies to selected services ⓘ

OneDrive for Business



38

INTUNE EXAMPLE

Basics
 Apps
 Data protection
 4 Access requirements
 5 Conditional launch
 6 Assign

Configure the PIN and credential requirements that users must meet to access apps in a work context.

PIN for access Require Not required

PIN type Numeric Passcode

Simple PIN Allow Block

Select minimum PIN length 6

Touch ID instead of PIN for access (iOS 8+/iPadOS) Allow Block

Override biometrics with PIN after timeout Require Not required

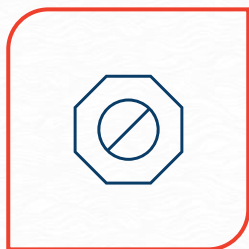
Timeout (minutes of inactivity) * 30

Face ID instead of PIN for access (iOS 11+/iPadOS) Allow Block

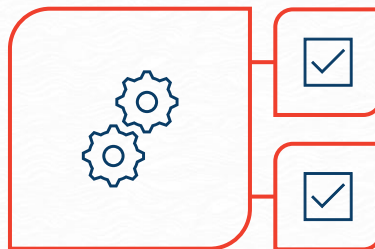


39

EXAMPLE: CONDITIONAL ACCESS



Block Exchange ActiveSync



Allow Access

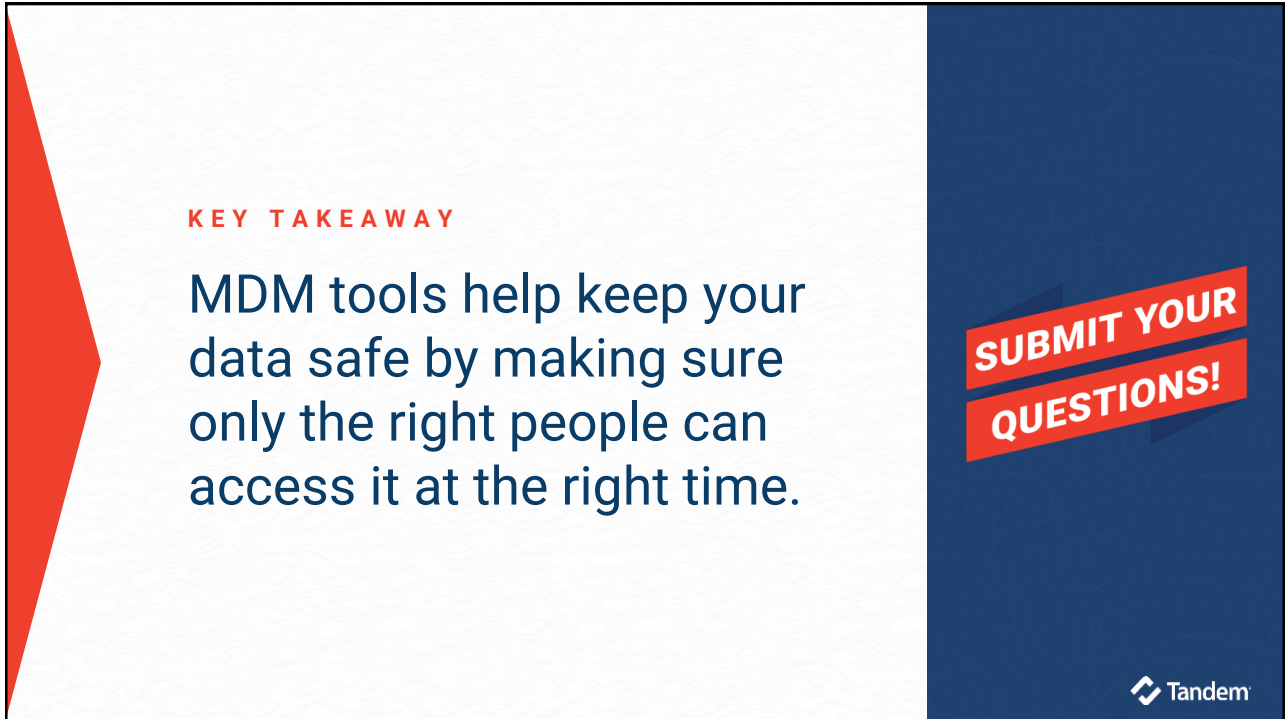
Approved Client Apps

App Protection Policy

* Applies to iOS and Android Devices
<https://learn.microsoft.com/en-us/mem/intune/apps/app-configuration-policies-outlook>
<https://learn.microsoft.com/en-us/entra/identity/conditional-access/howto-policy-approved-app-or-app-protection>




40



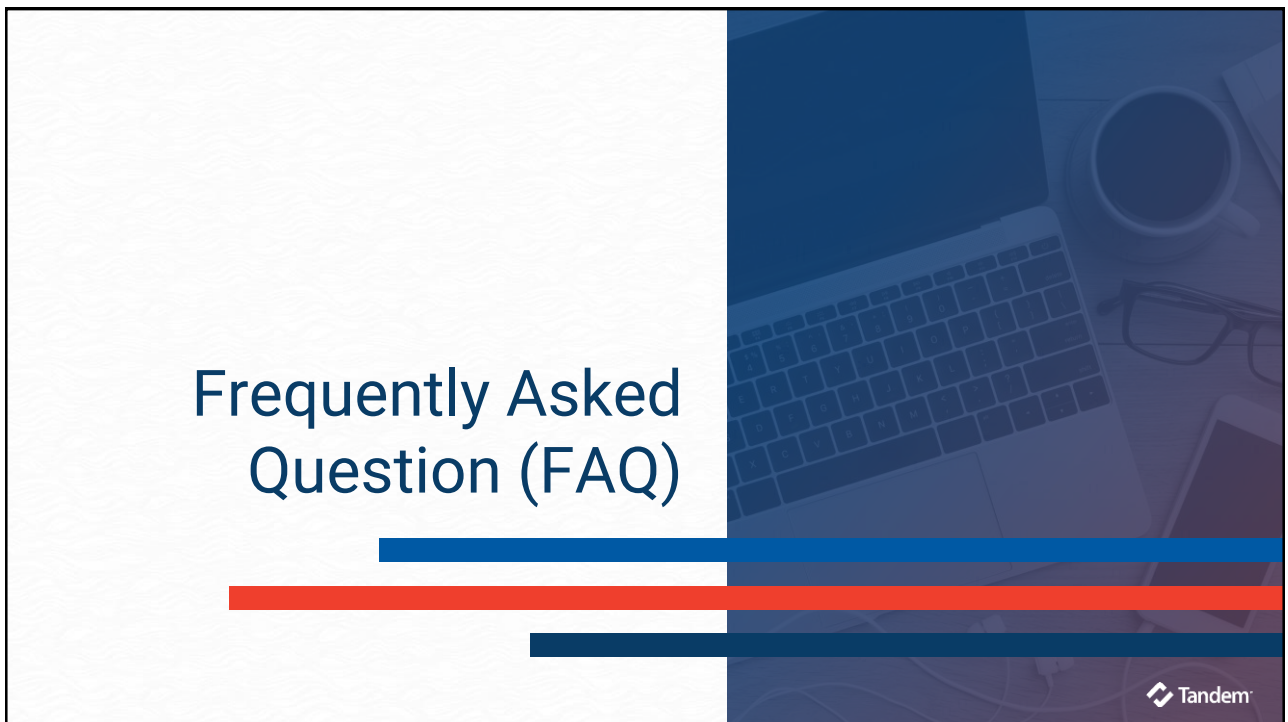
KEY TAKEAWAY

MDM tools help keep your data safe by making sure only the right people can access it at the right time.


SUBMIT YOUR QUESTIONS!



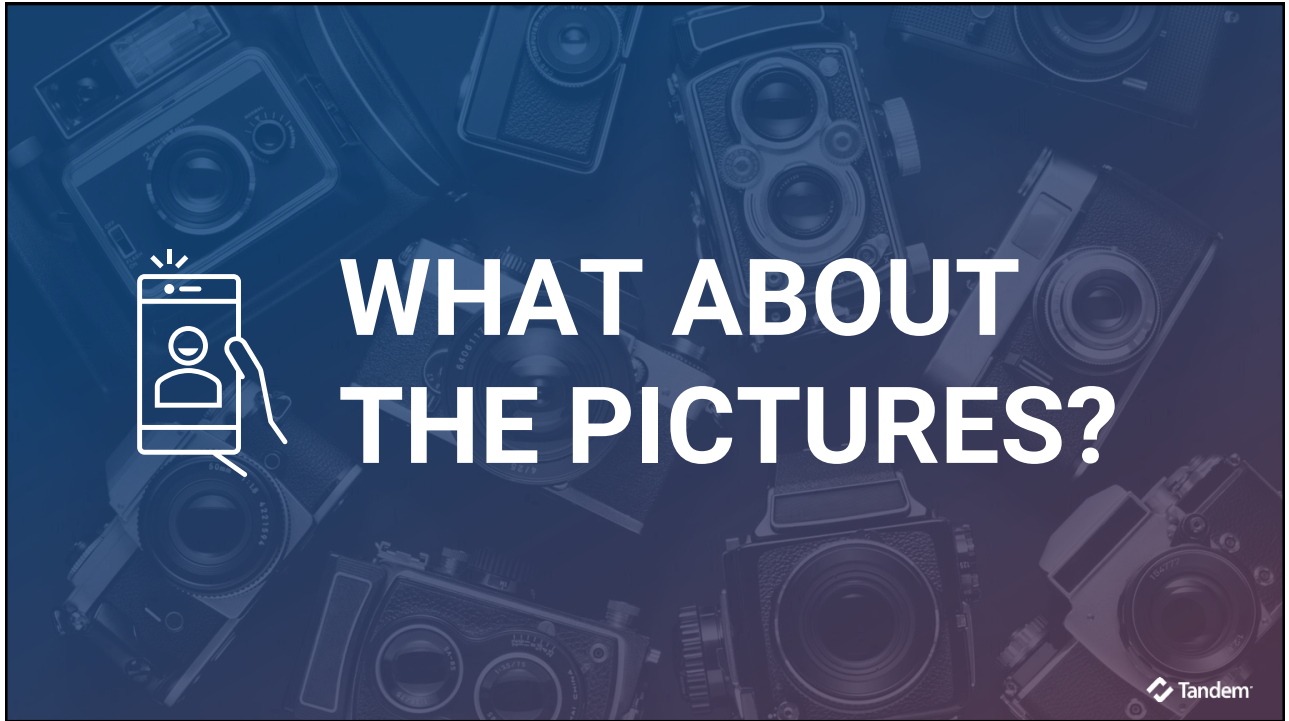
41



Frequently Asked Question (FAQ)



42



43



44

KEY TAKEAWAYS

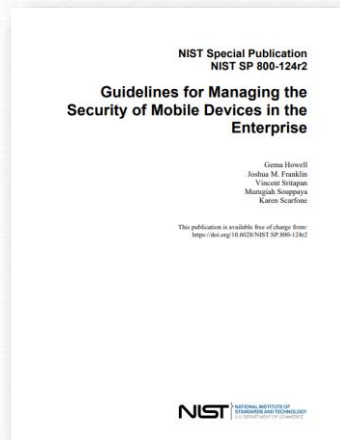
- 1 Do mobile device management to protect your data.
- 2 Know there is no one "right" solution for mobile device management.
- 3 Find the balance between functionality, efficiency, and security.
- 4 Manage risk holistically with technical *and* administrative controls.



ADDITIONAL RESOURCES



[CISA Mobile Device Cybersecurity Checklists](#)



[NIST SP800-124r2](#)



LEARN MORE

Tandem Cybersecurity GRC Software

Tandem.App

47

LEARN MORE

CoNetrix Technology Network Threat Protection

CoNetrix.com/Technology

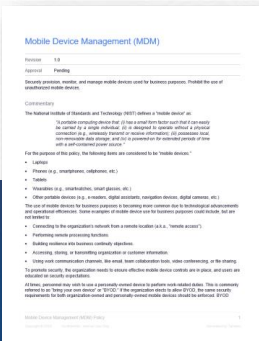
48

THANKS FOR JOINING

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Download the Template
Tandem.App/MDM-Policy-Template

Remember to complete the survey!

