



*Better Cost-Benefit Analysis and Security Measures
Are Needed for the Bring Your Own Device Pilot*

Attachment

Draft Audit Report- Better Cost-Benefit Analysis and Security Measures Are Needed for the Bring Your Own Device Pilot - Audit# 201320008 (e-trak #2013-46364)

CORRECTIVE ACTION MONITORING PLAN: We will enter accepted corrective actions into the Joint Audit Management Enterprise System (JAMES) and monitor them on a monthly basis until completion.

RECOMMENDATION #3: The Chief Technology Officer should defer admitting Android® devices into a BYOD pilot or program until a security risk assessment has been completed that thoroughly addresses the malware and other risks associated with Android® devices, and the assessment has been reviewed and the risks accepted by executive management.

CORRECTIVE ACTION #3: The IRS disagrees with this recommendation concerning deferral of Android® devices. This is a technology demonstration and the IRS is evaluating various devices through the controlled secured environment of Good for Enterprise Mobile Device Management (MDM). IRS Executive Management reviewed the Cybersecurity Mobile Computing Security Technology Review and issued an Authorization to Conduct BYOD technology demonstration which includes Android devices.

IMPLEMENTATION DATE: N/A

RESPONSIBLE OFFICIAL: The Associate Chief Information Officer, User and Network Services.

CORRECTIVE ACTION MONITORING PLAN: N/A

RECOMMENDATION #4: The Chief Technology Officer should ensure that the existing IRS policy related to audit trails is followed, *****2*****.

CORRECTIVE ACTION #4: The IRS agrees with this recommendation. The Good Mobile Device Management server has built-in facilities to accumulate an audit log of access attempts, and the IRS believes these built in capabilities are sufficient while BYOD is a technology demonstration. The IRS will investigate a method within the Good Mobile Device Management Server*****2*****. In the event that the technology demonstration is adapted into a production system, then all IRS policy regarding audit trails will be applied accordingly per the Enterprise Life Cycle (ELC).

IMPLEMENTATION DATE: February 25, 2015

RESPONSIBLE OFFICIAL: The Associate Chief Information Officer, User and Network Services



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RECOMMENDATION #5: The Chief Technology Officer should provide periodic refresher training for BYOD participants that clearly explain the risks associated with personal mobile devices, how these can potentially expose the IRS network to unauthorized accesses and malware, the consequences of such breaches, and how to prevent or reduce the possibility of causing such a security breach.

CORRECTIVE ACTION #5: The IRS agrees with this recommendation contingent on funding. If the decision is made to continue the existing technology demonstration or expand the program, we will develop security training materials for BYOD participants that clearly explain the additional security threats associated with personal mobile devices and IRS data, as well as best practices to mitigate these threats and reduce risk to agency information and resources.

IMPLEMENTATION DATE: February 25, 2015

RESPONSIBLE OFFICIAL: The Associate Chief Information Officer, Cybersecurity

CORRECTIVE ACTION MONITORING PLAN: We will enter accepted corrective actions into the Joint Audit Management Enterprise System (JAMES) and monitor them on a monthly basis until completion.