



Office of Information Technology Services

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New York State Information Technology Standard	No: NYS-S14-009
IT Standard: Mobile Device Security	Updated: 09/11/2018
	Issued By: NYS Office of Information Technology Services Owner: Chief Information Security Office

1.0 Purpose and Benefits

Mobile devices often need additional protection because their nature generally places them at higher exposure to threats than other client devices that are only used within a State Entity's (SE) facilities and on the SE's networks.

This standard outlines the additional protections required for the use of mobile devices by SEs.

2.0 Authority

Section 103(10) of the State Technology Law provides the Office of Information Technology Services (ITS) with the authority to establish statewide technology policies, including technology and security standards. *Section 2 of Executive Order No. 117* provides the State Chief Information Officer with the authority to oversee, direct and coordinate the establishment of information technology policies, protocols and standards for State government, including hardware, software, security and business re-engineering. Details regarding this authority can be found in NYS ITS Policy, [NYS-P08-002 Authority to Establish State Enterprise Information Technology \(IT\) Policy, Standards and Guidelines](#).

3.0 Scope

This standard applies to all "State Government" entities as defined in Executive Order 117 or "State Agencies" as defined in Section 101 of the State Technology Law ("State Entities"), their employees, and all others, including third parties (such as local governments, consultants, vendors, and contractors), that use or access any ITS Information Technology

Resource for which ITS has administrative responsibility, including systems managed or hosted by third parties on behalf of the ITS. Where a conflict exists between this standard and a State Entity's standard, the more restrictive standard will take precedence.

This standard covers all mobile devices managed by the State or which are used by the State workforce to store SE information.

4.0 Information Statement

1. Mobile devices are computing devices in a small form factor that have at least one network connection interface, non-removable and/or removable storage, and is portable (i.e., non-stationary). These devices come in the forms such as: smartphones, PDAs, smart watches, tablets, laptops, and wearable devices. Mobile devices must follow all requirements of the [NYS Information Security Policy](#).
2. As per the state [Encryption Standard](#), all mobile devices that access or contain any SE information must be encrypted.
3. For State issued mobile devices or personal mobile devices with direct access to NYS-managed networks (see [NYS Bring Your Own Device Standard](#)), only those applications which are approved by the SE may be installed and or run on the mobile devices. Applications must be restricted through the use of whitelisting (preferable) or blacklisting. Applications must be digitally signed to ensure that only applications from trusted entities are installed on the device and that code has not been modified.
4. State information must be removed or rendered inaccessible from mobile devices after no more than 10 incorrect authentication attempts.
5. Mobile devices must automatically lock after being idle for a period not to exceed 10 minutes.
6. Mobile devices which directly connect to NYS-managed private networks, virtually connect to NYS-managed private networks in a manner consistent with a directly connected device, or which contain or could contain SE information, including e-mail data, must be managed by a Mobile Device Management (MDM) or other centralized management solution.
7. Use of synchronization services, such as backups, for mobile devices (e.g., local device synchronization, remote synchronization services, and websites) must be controlled by the SE through an MDM or other centralized management solution.
8. Mobile devices may not access NYS private networks unless their operating environment integrity is verified (including whether the device has been rooted/jailbroken).
9. SEs must manage all mobile devices by:
 - a. Implementing device policies and configurations as appropriate to the use of the device.

- b. Developing and implementing processes which check for upgrades and patches to the software components, and for appropriately acquiring, testing, and deploying the updates to State issued devices.
- c. Reconfiguring access control features as needed based on factors such as policy changes, technology changes, audit findings, and new security needs.
- d. Detecting and documenting anomalies which may indicate malicious activity or deviations from policy and procedures. Anomalies should be reported to other systems' administrators as appropriate.
- e. Providing training and awareness activities for mobile device users on threats and recommended security practices which can be incorporated into the SE's security and awareness training.

5.0 Compliance

This standard shall take effect upon publication. Compliance is expected with all enterprise policies and standards. ITS may amend its policies and standards at any time; compliance with amended policies and standards is expected.

If compliance with this standard is not feasible or technically possible, or if deviation from this policy is necessary to support a business function, State Entities shall request an exception through the Chief Information Security Office [exception process](#).

6.0 Definitions of Key Terms

Except for terms defined in this policy, all terms shall have the meanings found in <http://www.its.ny.gov/glossary>.

Term	Definition
Mobile Device	A computing device in a small, portable form factor that has at least one network connection interface, non-removable and/or removable storage, including but not limited to smartphones, Personal Digital Assistants (PDAs), tablets, laptops, smart watches, and wearable devices.

7.0 Contact Information

Submit all inquiries and requests for future enhancements to the policy owner at:

Chief Information Security Office
Reference: NYS-S14-009
NYS Office of Information Technology Services
1220 Washington Avenue, Building 5
Albany, NY 12242
Telephone: (518) 242-5200
Email: EISO@its.ny.gov

Statewide technology policies, standards, and guidelines may be found at the following website: <http://www.its.ny.gov/tables/technologypolicyindex>

8.0 Revision History

This standard shall be subject to periodic review to ensure relevancy.

Date	Description of Change	Reviewer
04/18/2014	Original Standard Release	Thomas Smith, Chief Information Security Officer
05/15/2015	Minor clarifications, added link to the BYOD standard and removed optional language pertaining to MDM	Deborah A. Snyder, Deputy Chief Information Security Officer
02/15/2017	Update to Scope, contact information and rebranding	Deborah A. Snyder, Deputy Chief Information Security Officer
09/11/2018	Scheduled review – minor change to relocate a paragraph from Scope to Information Statement, Authority, Scope and title of office	Deborah A. Snyder, Chief Information Security Officer

9.0 Related Documents

[NIST Special Publication 800-124, Guidelines for Managing and Securing Mobile Devices in the Enterprise](#)

[NIST Special Publication 800-164, Guidelines on Hardware-Rooted Security in Mobile Devices](#)

[Federal CIO Council and Department of Homeland Security Mobile Security Reference Architecture](#)