4.1.3 A Faster Approach to Mobile Data Collection

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The need for mobile applications and data to support the mobile workforce is growing exponentially. Learn how the Minnesota Department of Transportation (MnDOT) is making it easier to rapidly set up and use field mobile data collection applications by establishing mobile standards and best practices, and a supporting application and data framework. The best practices provide guidance in selecting the best mobile device based on business needs and include practices for supporting iOS, Android, and Windows Mobile. The standards and framework provide a common data structure and a flexible, reusable mobile web application environment with plans for adding reusable client and hybrid client applications. In addition, a mobile application security policy is incorporated with the enterprise architecture, providing mobile device security and management, including standard device configurations.

Attendees to this session will learn the following:

- Learn a method for providing mobile development standards and best practices that include business/technical requirements based decision matrix for device selection, a common data structure, and a flexible, reusable mobile web application that allows users to author applications and begin data collection on-the-fly.
- Understand how to develop and implement a mobile application security policy that integrates with enterprise IT architecture.
- Learn about MnDOT's strategies related to mobile device security and management, including standard device configurations.