



Health Care Sector Use Case

Dave Burhop
Deputy Commissioner and
Chief Information Officer
Virginia Department of Motor Vehicles
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Background

- Health Care System Requirement: Trustworthy, compliant and secure solution for electronic authentication (e-authentication) and identity management (IdM) for patient and provider access to electronic health records (EHRs)
- Current State: Application-centric or custom e-authentication and IdM solutions
- Immediate Result: Proliferation of duplicative, non-standardized and inefficient authentication mechanisms
- Long-term Impact: Increased risk, inefficiency and threats to EHR privacy and security



Description

- Use case targets trustworthy, compliant and secure solution for e-authentication and IdM to serve as a gateway for patient and provider access to electronic health records (EHRs)
- Use case envisions a secure, standards-based, privacy-enhancing alternative to the current application-centric or custom solution for electronic authentication
- Use case leverages technical, governance and business-related advances made under the National Strategy for Trusted Identities in Cyberspace (NSTIC), and supporting efforts of the Identity Ecosystem Steering Group (IDESG), but broadens perspective to incorporate other governance models, standards and communities of interest



Stakeholders

- Health Care Systems
 - EHR Operations and Management Staff
 - Information Security Staff
 - Privacy and Compliance Staff
- Health Care Providers (Physicians, Nurses, Therapists and other Providers)
 - Providers – In the Primary Healthcare System
 - Providers – Out of the Primary Healthcare System
- Patients
 - Patients – In the Primary Healthcare System
 - Patients – Out of the Primary Healthcare System



Use Case Scenarios

- Patient
 - Patient enrollment to EHR within the health care system of the primary care physician or principal provider
 - Patient access to EHR in the primary health care system
 - Patient access to EHR in practices or other facilities outside of the primary health care system
- Provider
 - Provider access to EHRs in the primary health care system
 - Provider access to EHRs in practice office in primary health care system
 - Provider access to EHRs in facilities outside of the primary health care system



Next Steps

- Engage subject matter experts in the health care sector and IdM space to build out the use case in greater detail
- Identify and refine use case scenarios around patient and provider access to EHRs
- Document workflows and data flows for the patient and provider scenarios
- Prepare a formal use case document to enable identification of standards for IMSAC consideration
- Present use case to the Health IT Standards Advisory Committee (HITSAC)



Discussion & Questions