

Cross-Sector Digital Identity Initiative

(NIST Award Number: 70NANB12D297)

AAMVA Workshop & Law Institute

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The Problem

Usernames and passwords are broken

- Most people have 25 different passwords, or use the same one over and over
- Even strong passwords are vulnerable...criminals can get the “keys to the kingdom”
- Rising costs of identity theft
 - 123% increase in financial institution Suspicious Activity Reports in last 6 years (FINCEN)
 - 11.7 million est. victims over 2 years (BJS, 2008)
 - \$17.3 billion est. cost to economy over 2 years (BJS, 2008)
- Cybercrime is also on the rise
 - Incidents up 22% from 2008 to 2009 (IC3 report)
 - Total loss from these incidents up 111%, to \$560 million

What is NSTIC?

Called for in President's Cyberspace Policy Review (May 2009): a "cybersecurity focused identity management vision and strategy"

NSTIC calls for an **Identity Ecosystem**, "...an online environment where individuals and organizations will be able to trust each other because they follow agreed upon standards to obtain and authenticate their digital identities."

Guiding Principles

- Privacy-Enhancing and Voluntary
- Secure and Resilient
- Interoperable
- Cost-Effective and Easy To Use

Address the following barriers to Identity Ecosystem adoption:

- Lack of commonly accepted technical standards
- Lack of clarity on liability and other complex economic issues
- No common standards for privacy protections and data re-use
- Problems with usability of some strong authentication technologies

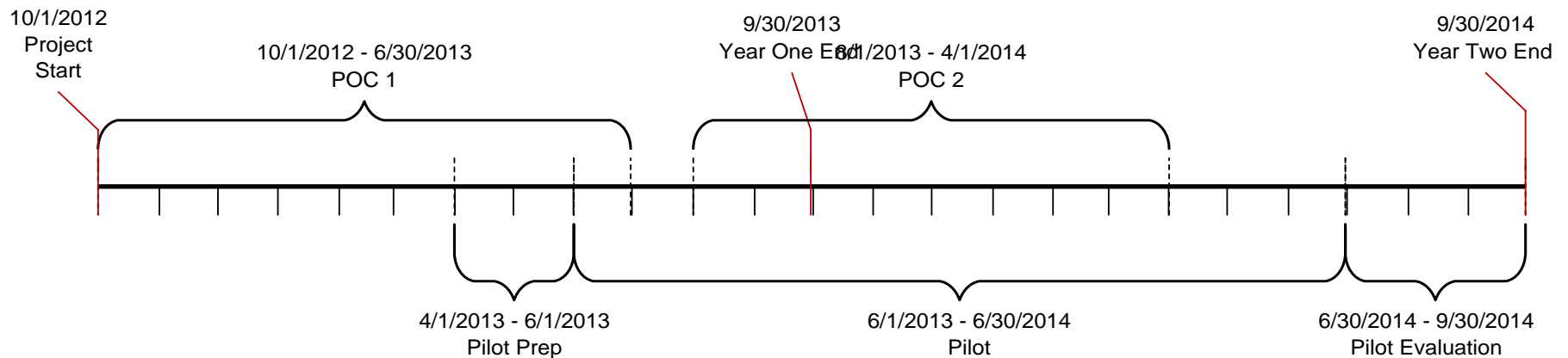
NSTIC Opportunity

- On Sept. 20, 2012, NIST awarded more than \$9 million for pilot projects in support of NSTIC
- Five U.S. organizations will pilot identity solutions that increase confidence in online transactions, prevent identity theft, and provide individuals with more control over how they share their personal information
- AAMVA in partnership with VA Department of Motor Vehicles, Microsoft, CA Technologies, AT&T and Biometric Signature ID was one of the 5 organizations selected out of 187 applicants
- The pilot projects intend to:
 - Advance the NSTIC vision, objectives and guiding principles; and
 - Demonstrate innovative frameworks that can provide a foundation for the Identity Ecosystem, and tackle barriers that have, to date, impeded the Identity Ecosystem from being fully realized

Project Metadata

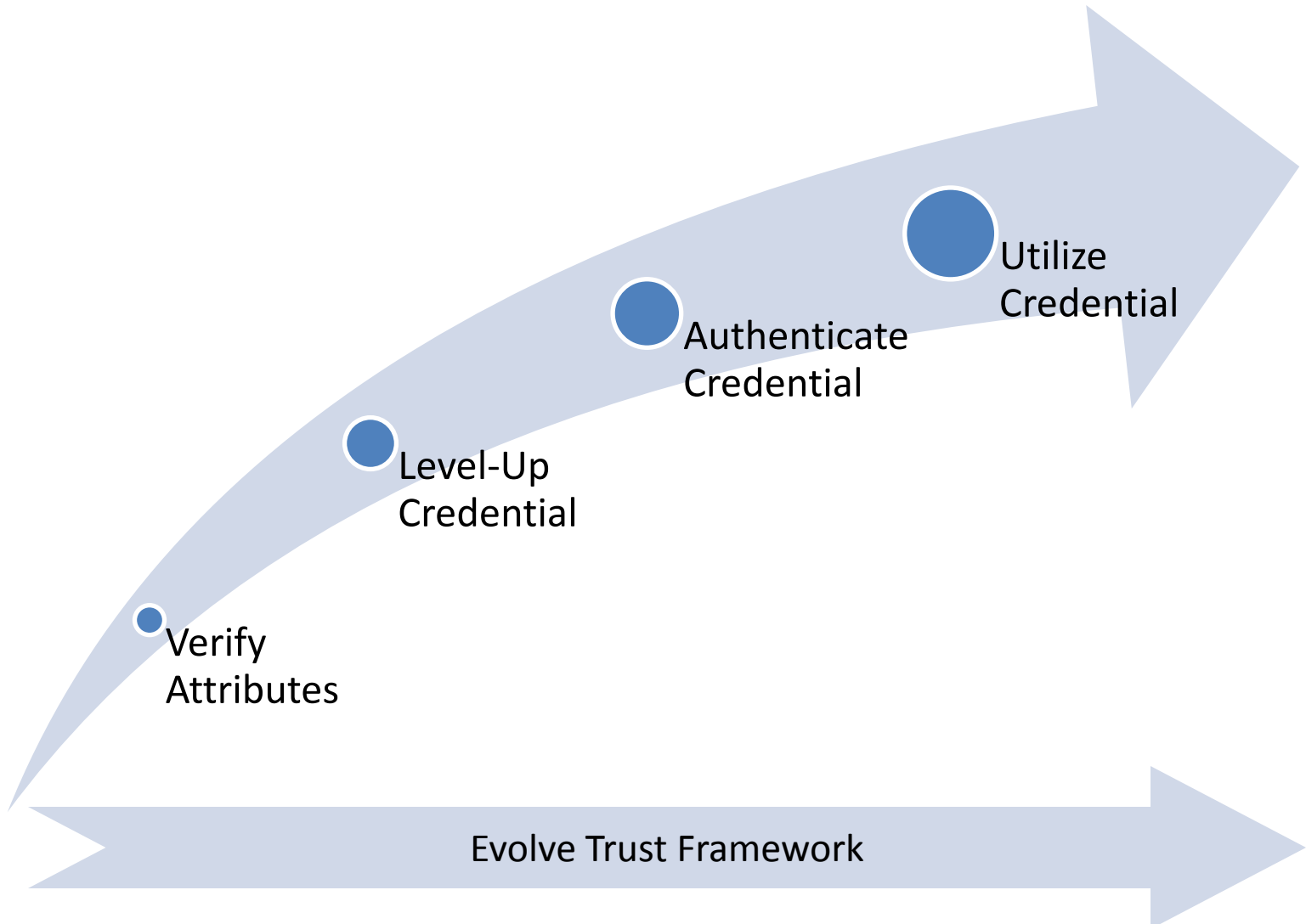
- **Goal:** Allow users to “level up” a Microsoft Live ID credential and use to access a state and/or commercial on-line service
- **Scope:** develop & pilot four (4) core capabilities in custom identity ecosystem with encompassing governing framework that satisfies NSTIC goals 1 & 2 and adheres to NSTIC guiding principles
- **POP:** 10/1/2012 – 9/30/2014 (base year + ‘option year’)
- **Team Members:** AAMVA, VA DMV, AT&T, Biometric Signature ID, CA Technologies, Microsoft

Project Approach



- Develop / Verify core capabilities in Proof of Concept phases
- Validate core capabilities in Pilot phase
- Evolve encompassing governance framework over project lifecycle
- Target self-sustainability by year three transition

Project Capabilities



Logical Architecture

