AAMVA’s CSDII Pilot
What Does It Mean To Us?

• Acknowledging identity as part of our mission
• Major contributor to e-ID credential issuance
• Additional revenue (to offset costs)
• Agency longevity
• Major role in the reduction of fraud and abuse
• Maintaining the public trust
Use Case Possibilities
For CSDII Pilot

• Adult Websites (politically incorrect!!!)
• Gaming industry
• Visitor Registration Program at Virginia Department of Corrections
• Virginia Social Services/Medicaid Benefits Application Program
• On-line Filing of Court Documents
• Virginia Department of Taxation
• Virginia “Casual” Sale
Virginia “Casual” Sale Use Case

• Selected for potential high value – post pilot
• Exercises all four capabilities of the CSDII Proposal
  - Verify attributes
  - Enable Identity Providers to use verified attributes to issue a "Leveled Up" credential
  - Authenticate credential
  - Enable Relying Parties to use verified attributes to make an authorization decision
• Resources remain under control of participants
This use case specifies the sale of a vehicle from one private owner to another within the state of Virginia.

The following assumptions are made for this pilot use case:
- Vehicle must already be titled in the Commonwealth.
- Both owners must be customers of the Virginia DMV.
- There is only one owner on the current title.
- There are no liens on the vehicle.
- Vehicle will be titled with a single owner.

Basic policy for transaction:
- Both buyer and seller must be over the age of 18.
- The application requires the following assertions to begin the transaction:
  - Authenticated
  - Name
  - Email Address
  - Driver License Number
  - Indicator that individual is > 18.
Seller Initiates Transaction

- Seller visits DMV website and selects the Casual Sale application
- Seller reads the instructions and begins transaction by clicking the "Let's Get Started" button
Seller Authentication

1. User Redirected to PETP
2. User chooses Identity Provider and Provides Consent
3. Redirected to IDP
4. Logs in at IDP
5. SAML token sent to PETP
6. PETP Verifies DOB, transforms DOB to > 18 derived attribute, generates UProve Token with Name, Email Address, DL#, and > 18 attribute, and redirects to SAG
7. PETP provides Token Response, SAG provides identity and attributes to RP Application
8. SAG sends token to PETP Verification Service
9. User sends presentation token to SAG
10. User gets token from PETP Claims Transformer
Buyer Authentication

[Diagram of the process]
Buyer Transaction

"Casual Sale" app gets vehicle from Seller DMV WS

"Casual Sale" app presents transaction details to buyer

Price and vehicle info accurate?

Error Processing

"Casual Sale" app retrieves fee from Buyer DMV WS "CalculateFee"

Name/Address accurate?

"Casual Sale" app displays buyer name/address

Y

Buyer pays fee

Update Name/Address Process

N

Y
Buyer Transaction/Finalize Transaction

- "Casual Sale" App posts Transaction ID and email to Seller DMV WS "TransferVehicle".

- "Casual Sale" app sends "TransactionComplete" message to Buyer DMV WS "CompleteTransfer".

- Buyer DMV WS fetches Transaction details from Seller DMV WS.

- Buyer DMV WS sends "TransferApproved" message to Seller DMV WS.

- DMV WS updates vehicle record Status="OK" and Owner="BuyerID".

- Seller DMV WS sends "TransferApprovedAck" to Buyer DMV WS.

- Seller DMV WS deactivates vehicle record.
RP Architecture

- Virginia DMV
- DMV Casual Sale WS
- Seller Casual Sale App
- Buyer Casual Sale App
- RP Application Code
- Hosted by participating State(s)
- SAG
- PETP

CSDII Ecosystem
Update on e-ID Activities

• AAMVA e-ID Workgroup
  - e-ID Survey results
  - White paper
  - SICAM review and alignment

• Identity Ecosystem Steering Group (IDESG) and NSTIC
  - Progress thus far
  - Formal review of AAMVA CSDII pilot (May)
  - Next steps
Questions?

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