State-to-State Verification Service and Digital Image Access
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• Overview
• Pointer Basics
• Potential Duplicates
• Project Status
• State Experience
  • Level of Effort
  • Preparation
  • Implementation
  • Challenges and Benefits
• Open Q&A
What is S2S?

- Allows a state to determine if an applicant has a DL or ID card in another state

- Provides functionality States have sought for many years - to achieve the goal of “One Driver- One License” for all drivers

- Allows all States to enforce their own laws, rules, regulations and policies

- Improves Driver License Compact compliance

- Automates manual processes
What is S2S?

• By the states, for the states
• Conceptually expands CDLIS
• Pilot funded by Federal grants
• Real ID participation not required
  • Can help a state comply with Real ID requirements
S2S vs. CDLIS

- Technical capabilities are very similar
- Governance is very different

<table>
<thead>
<tr>
<th>CDLIS</th>
<th>S2S</th>
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<tbody>
<tr>
<td>Federal requirements</td>
<td>State based requirements</td>
</tr>
<tr>
<td>Mandatory for all states</td>
<td>Voluntary</td>
</tr>
<tr>
<td>FMCSA monitors compliance</td>
<td>State-based compliance</td>
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<tr>
<td></td>
<td>CDLIS</td>
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<tr>
<td><strong>Goal</strong></td>
<td>Limit a commercial driver to one driver history record and one CDL</td>
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<td></td>
<td>One, and only one, pointer for every commercial driver</td>
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<tr>
<td><strong>Pointers</strong></td>
<td>One, and only one, pointer for every commercial driver</td>
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<td></td>
<td>One, and only one, pointer for every commercial driver</td>
</tr>
<tr>
<td><strong>Notes</strong></td>
<td>Reporting of non-CDL convictions is out of scope</td>
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<td></td>
<td>A person can have more than one pointer, e.g. multiple pointers for non-Real ID identification cards</td>
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Pointer Basics
What is a Master Pointer Record (MPR)?

- Primary Driver Identification Information
- AKA Information — former names, licenses
- Administrative information — e.g., list of drivers considered possible duplicates
- The State of Record (SOR) — Jurisdiction that maintains the Driver History Record
Who has MPRs?

For CDLIS-only States
- CDL/CLP holders
- Former CDL/CLP holder with retainable driver history
- Non-CDL/CLP holder convicted of violation in CMV

For S2S
In addition to information from CDLIS-only States:
- Non-commercial drivers
- Non-commercial ID card holders
• All pointers in the system (SPEXS) are SPEXS pointers

• Divided into:
  • CDLIS pointers
  • Non-CDLIS pointers
• S2S States have visibility of and access to all pointers
• CDLIS-only States have visibility of and access to only CDLIS pointers
• S2S states access S2S and CDLIS functions using Application 37 messages

• CDLIS-only states access (only) CDLIS functions using existing Application 02 (CDLIS) messages
<table>
<thead>
<tr>
<th>Field</th>
<th>CDLIS</th>
<th>S2S</th>
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</thead>
<tbody>
<tr>
<td>Name</td>
<td>♦</td>
<td>♦</td>
</tr>
<tr>
<td>DOB</td>
<td>♦</td>
<td>♦</td>
</tr>
<tr>
<td>Partial SSN</td>
<td>♦</td>
<td>♦</td>
</tr>
<tr>
<td>DL/ID indicator</td>
<td></td>
<td>♦</td>
</tr>
<tr>
<td>Real ID indicator</td>
<td></td>
<td>♦</td>
</tr>
<tr>
<td>CDLIS Record indicator</td>
<td></td>
<td>♦</td>
</tr>
</tbody>
</table>
Potential Duplicates
If 2 pointers are similar enough when comparing the Name, Date of Birth and Partial SSN, they are considered Potential Duplicates.

Central Site keeps track of Potential Duplicates.

States need to confirm if a “Potential” Duplicate is a “True” duplicate and update the pointer records accordingly.

Concept used in CDLIS and S2S.
Duplicate Notification

Central Site finds Duplicates

Initiate Transaction

Dup Notification

I am an S2S State

S2S State

CDLIS-only State

I am an S2S State

S2S State

I am an S2S State
Potential duplicate

Name
DOB
Full SSN

Same
Same
Differ

Name
DOB
Full SSN

Two persons share Name, DOB, L5 SSN

Likely outcome
Duplicate Resolution

Potential duplicate

- Name
- DOB
- Full
- SSN

Possible outcomes

- Two persons, one identity
- One person, two pointers

Potential duplicate analysis:

- Name: Same
- DOB: Same
- Full: Same
- SSN: Same
Duplicate Resolution

Possible outcomes

Two persons, one identity

One person, two pointers

Fraud!
Benefits of S2S for highway safety

• Improved identity management
  • One person, one credential/DL (as per state law)
  • Foundation for one person, one driving record

• Real-time information
  • Stopping an issuance vs. recalling a credential

• Electronic exchange of driving record
  • Eliminates manual work
  • Increases accuracy and timeliness
Benefits of S2S to States

• Improved fraud detection
• Process automation
• Improved inter-state communication, collaboration
• Identification of CDL drivers also holding a regular DL
• Identification of regular drivers already holding or trying to obtain more than one DL
Project Status
Governance transitioned to AAMVA on 3/1/17

S2S Governance Committee established
  - Represents all S2S states
  - Meets monthly
  - Monitors finances, sets fees
  - Defines and monitors compliance
  - Directs future evolution

By the states, for the states
S2S Implementation status

Jurisdictions’ S2S Testing & Implementation Current Status

Implemented
Actively working on implementation

Safe Drivers · Safe Vehicles · Secure Identities · Saving Lives
Funding opportunities

- NHTSA 405(c)
  - Duplicate resolution
- DHS
  - Several potential grants being pursued
  - Could help offset state onboarding costs
State Experience
Indiana

Preparation to “go live”:

• Number of programmers: 4

• Assess and design hours: about 400

• Dev. and testing hours: about 5,000

Process Recommendations:

• View S2S as “CDLIS for everyone”— look for consistency across transactions where possible

• Focus on minimization of impact to branch transactions
Indiana

Biggest Challenge:
• No dedicated test environment
• Developing efficient & accurate duplicate resolution process

Lessons Learned:
• Expect the unexpected
• Be diligent in reviewing and integrating transactions with S2S
Indiana

Lessons Learned (continued):

• Take the time to efficiently identify true duplicate pointers
• Maintain a project team throughout the full pilot period to quickly resolve system and message issues
• Use two test environments
Indiana

Benefits:

• Better discovery of potential duplicates
• Enforcement of laws requiring only one credential
• Better detection of CDLIS records in multiple states due to incomplete CSOR transactions.
• Improved fraud detection
Wyoming

Preparation to “go live”:
• Number of programmers: 1½
• Number of preparation hours: 1771

Implementation:
• Number of employees: 2
• Number of implementation hours: 200

After “go-live” maintenance:
• Number of employees: 4
Wyoming

Recommendations:

• Thorough testing before “go-live”

Challenges:

• Duplicate resolution process: manual (but now automating)
Wyoming

Fraud detection instance:

• DLs or ID cards were issued to same person, with the same SSN and DOB, from five different states.

This could have been prevented if all states involved were using S2S.
Wyoming

Other advice:

• Test extensively
• Hire additional staff to handle day-to-day maintenance tasks
Delaware

**Preparation to “go live”:**
- Number of programmers: 5
- Number of business analysts: 5
- Number of programming hours: 5865

**Implementation:**
- Number of employees: 5

**Training:**
- Number of trainers: 1
- Number of training hours: 75
Benefits - DE

Delaware

Benefits:

• S2S’s immediate cancellation/notification feature supports DL/ID card surrender requirement

• Improved fraud detection
Delaware

Recommendations:

- Thorough testing before “go-live”
- Self-surrender form

Challenges:

- Had to use a two-phase implementation approach:
  1. Program for implementation
  2. Add programming features to make support processes seamless post implementation

- Different options for handling history
Open Q&A
For questions:

On S2S:
Loffie Jordaan
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On Digital Image Access:
Pam Dsa pdsa@aamva.org
12:00 pm – 1:00 pm
Lunch
*Hyatt Exhibit Hall*

1:00 pm – 2:15 pm
GENERAL SESSION
Automated and Connected Vehicles
*Nicollet AB*