



# Migrant Student Information Exchange (MSIX)

## National Identification and Recruitment Conference

October 19, 2007

Sponsored by:

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# **Welcome and Logistics**

# MSIX Pop Quiz



A close-up, slightly blurred photograph of a person's hands holding an open book. The person's fingers are visible, and the pages of the book are filled with text. The lighting is soft and warm, creating a gentle glow around the book. The background is out of focus, showing hints of a desk or table.

# The Migrant Student Records Exchange Initiative & MSIX

## *The Basics*



# The Need for Records Exchange

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- Highly mobile migrant student population
- Students move from State to State often without notice
- Timely and accurate educational and health information not always available
- Students placed in incorrect courses or grades
- Students not provided most beneficial MEP services



# The Records Exchange History

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- |             |  |
|-------------|--|
| 1966        | MEP legislation authorizes the transmittal of school records   |
| 1969 - 1995 | Arkansas Dept of ED operated the "MSRTS"   |
| 1995        | Congress terminates the MSRTS  |
| 2000        | ED convenes the Common Data Elements Committee   |
| 2001        | NCLB requires ED to: <ol style="list-style-type: none"><li>1. Assist States in developing methods for electronic transfer of records</li><li>2. Ensure the linkage of migrant student record systems</li><li>3. Utilize existing migrant student systems</li><li>4. Establish the minimum data elements (MDE) States must collect and maintain</li></ol> |



# Migrant Records Exchange Today

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- States use disparate migrant student databases to maintain information on migrant students
- Some States that use the same migrant student database have a limited ability to electronically exchange records among each other
- Many States still exchange records via fax or regular mail
- **States need an electronic system to exchange migrant student records on a national basis**



# The Records Exchange Initiative has 4 goals

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- Goal 1: Create an **electronic exchange** for the transfer of migrant student education and health data amongst the States
- Goal 2: Promote the **use** of the Migrant Student Information Exchange (MSIX)
- Goal 3: Ensure the use of the consolidated migrant student record for the purposes of **enrollment, placement and accrual of credits** of migrant students
- Goal 4: Produce **national data** on the migrant population





# What is MSIX?

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MSIX is a web-based portal that will link States' migrant student record databases to facilitate the national exchange of migrant students' educational and health information among the States





# MSIX Overview

## What MSIX does...

- MSIX produces a single **"consolidated record"** for each migrant child that contains information from each State in which the child was ever enrolled
- MSIX contains the **minimum data elements** necessary for the proper enrollment, grade and course placement, and accrual of credits for migrant children

## What MSIX does not do...

- MSIX **does not replace** existing migrant student information systems



# The Minimum Data Elements and the COE

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*Please see the sample COE in your handout*



# MSIX Authorized Users

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- State Designated Personnel Including:
  - State and District Administrators
  - School Registrars
  - School Guidance Counselors
  - School Health Personnel
  - School Teachers
- Office of Migrant Education (aggregate reporting and data analysis)



# State Responsibilities

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- Collect and maintain the minimum data elements
- Transmit data to MSIX in a timely manner
- Determine who will have access to MSIX in your State
- Assign staff who will resolve questions about students from your State
- Instruct State and local staff on the proper **use** of the MSIX **consolidated record** for enrollment, placement and accrual of credits for migrant students
- Ensure proper and secure use of MSIX by State and local staff



# Timeline Targets

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- MDE Information Collection Notice
  - May 2007      Notice posted in federal register for public comment
  - July 2007      60-day comment period ends
  - Oct 2007      MDE Final
  
- MSIX Regulations
  - Early 2008      Federal Register Notice published for public comment
  - 2008      MSIX Regulations final



# MDE Data Submission Timeline Targets

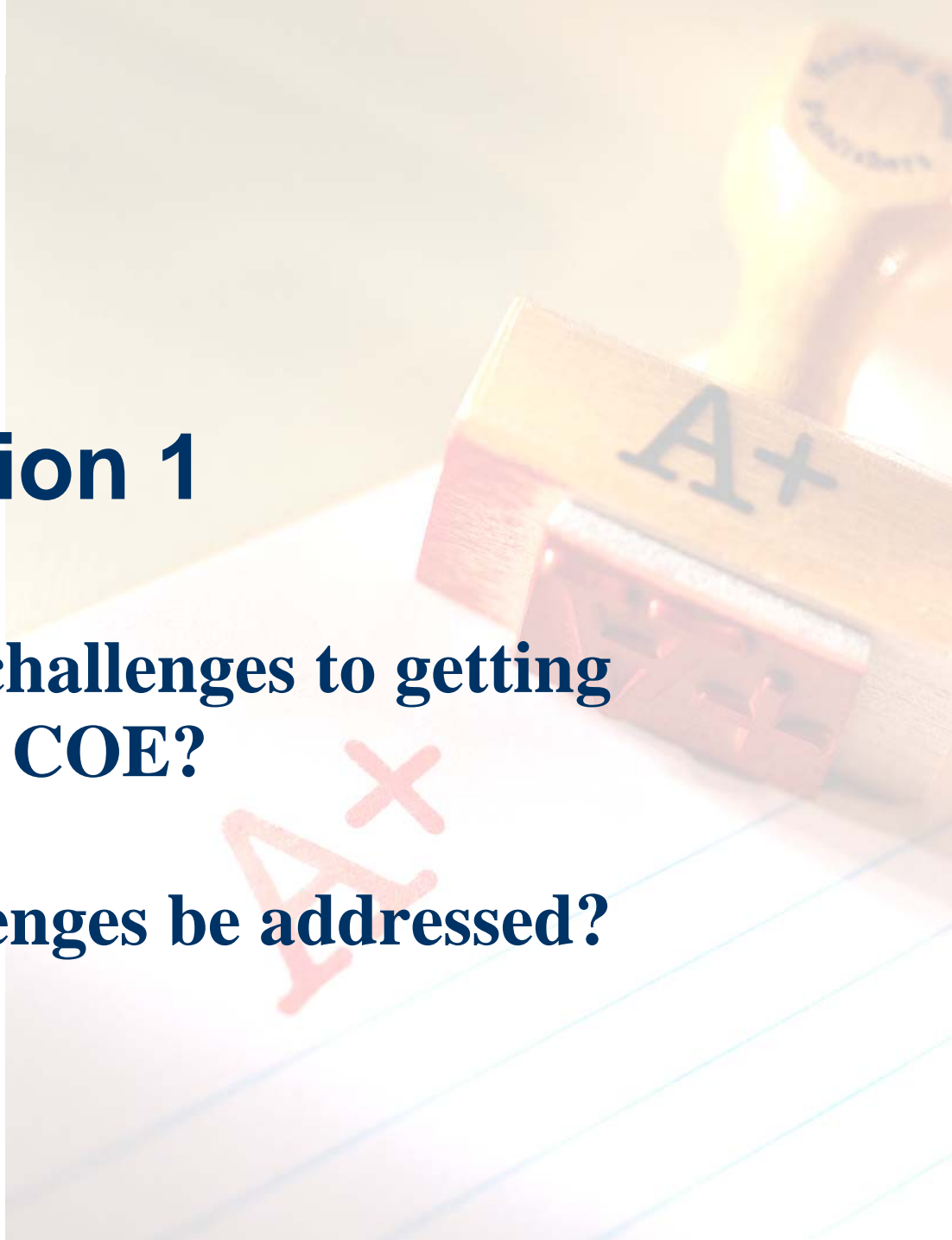
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- Oct 2007      Phase I: Basic student demographic information
- Apr 2008      Phase 2: Assessment data
- Sep 2008      Phase 3: Course history data

# **Breakout Session 1**

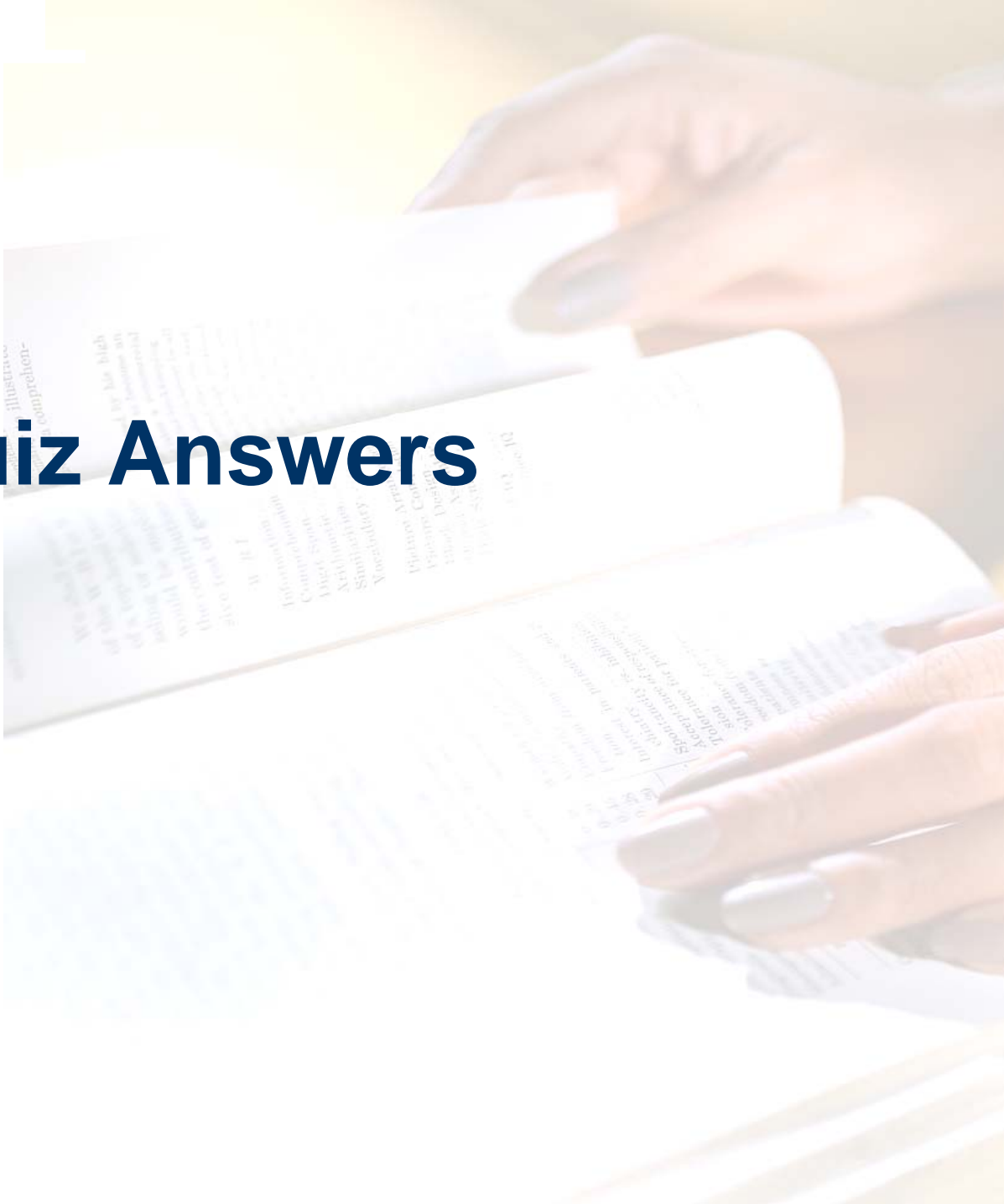
**What do you see as challenges to getting accurate data on the COE?**

**How can these challenges be addressed?**





# MSIX Pop Quiz Answers

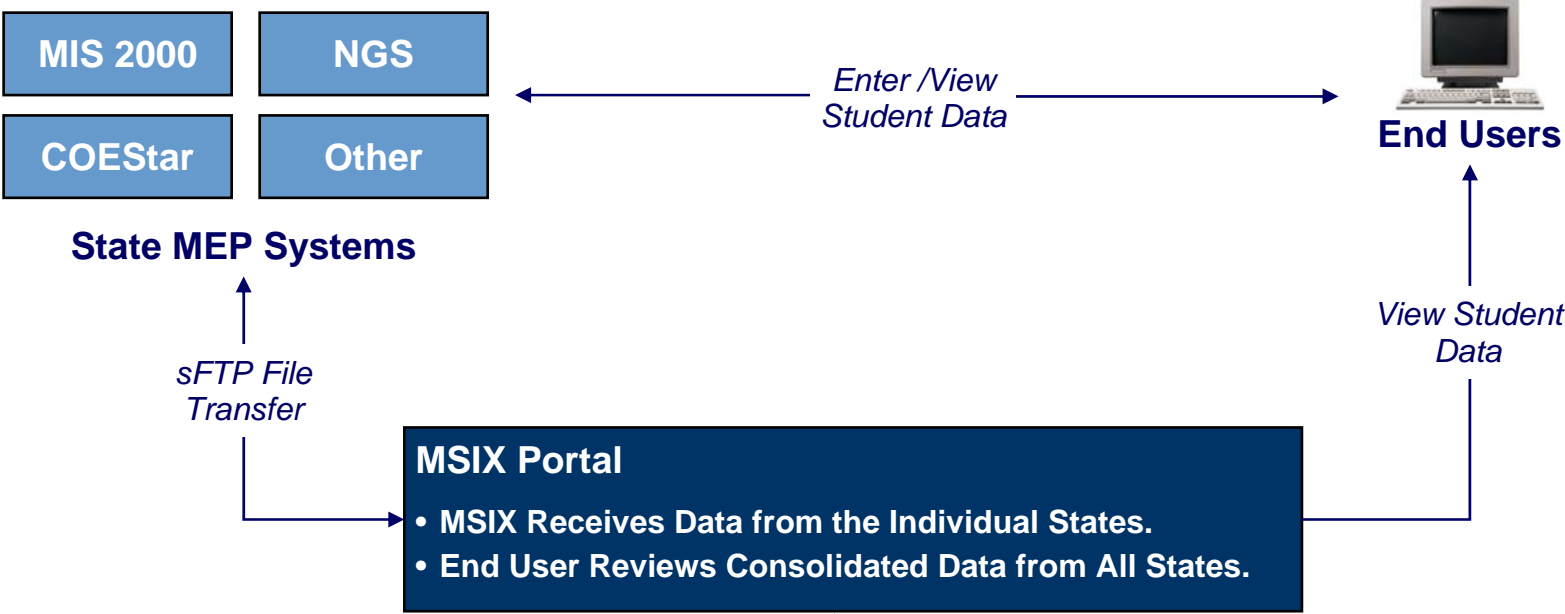


# The MSIX Solution





# MSIX will consolidate and provide access to migrant student records from state systems



### MSIX Services

<p><b>Migrant Student Records</b></p> <ul style="list-style-type: none"> <li>• Record Matching</li> <li>• Conflict Data Resolution</li> <li>• Student History             <ul style="list-style-type: none"> <li>• Transcripts</li> <li>• Immunization</li> </ul> </li> </ul>	<p><b>Data Upload</b></p> <ul style="list-style-type: none"> <li>• Data Configuration</li> <li>• Scheduling</li> </ul>	<p><b>User Administration</b></p> <ul style="list-style-type: none"> <li>• Registration/Maintenance</li> <li>• Login/Password</li> </ul>	<p><b>Reporting</b></p> <ul style="list-style-type: none"> <li>• Data Reports</li> <li>• Information Exchange Reports</li> <li>• OME Reports</li> <li>• Display as Word, Excel, and PDF</li> </ul>
	<p><b>Security</b></p> <ul style="list-style-type: none"> <li>• Role-based Access</li> <li>• Encryption</li> </ul>	<p><b>Reference Data</b></p> <ul style="list-style-type: none"> <li>• States</li> <li>• Schools</li> <li>• Demographics</li> </ul>	

# Key MSIX Features





# Key MSIX Features

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- Create users based on 'MSIX roles' to allow appropriate access to MSIX functions and student data
- Create regions within states to manage MSIX activities and workflow
- Retrieve and view student information
  - Search, view and print consolidated student records
  - Multiple search parameters
  - Accessible online
  - Printed reports available
- Identify and resolve student record conflicts
  - Student Merge workflow
  - Student Split workflow
- Notify other jurisdictions of planned student moves

# Basic Student Search



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## Basic Student Search

Please enter your search criteria below. Ensure that your search contains at least one of the following elements:

1. Student MSIX ID.
2. State Student ID.
3. Student First, Middle, or Last Name.

Partial searches are allowed by entering at least one character and selecting the "Partial" search option. Use "Exact" to search for an exact match on the information that you entered in a given field.

Please click [Advanced Search](#) for a more in-depth search capability.

Last Name:

Exact  Partial

First Name:

Exact  Partial

Middle Name:

Exact  Partial

Student Gender:

Student DOB:

 /  /  (MM/DD/YYYY)

MSIX ID:

Exact  Partial

Student State ID:

Exact  Partial

State:



# Search Results



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## Search Results for Student:

[Refine Search](#)

To view student record details, please click on the MSIX ID or the Student State ID.

MSIX ID	Student State ID	State	Student Name	Date of Birth	Gender	Multiple Birth
<a href="#">129261277693</a>	<a href="#">77830696STZ</a>	WA	ALVARADO, MARIO ALBERTO	05/28/1985	Male	
<a href="#">129261277693</a>	<a href="#">PAWAD1NM004</a>	PA	Alvado, Marios Alberto	05/26/1985	Male	

# Consolidated View



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  - State MEP Directors



## Consolidated Student Record View

[Back To Search Results](#)

Search Results for MSIX ID: 129261277693

Student Name: MARIO ALBERTO ALVARADO State ID: PAWA01NM004 State: PA

[Historical Student Record View](#)

- Demographics**
- Enrollments
- Course History
- Assessments

Printing Options:

### Student Information

Name:	MARIO ALBERTO ALVARADO	Gender:	Male
Birth Date:	05/28/1985	Multiple Births:	
Birth Location:	RIO GRANDE CITY, Texas, United States	Birth Date Verification:	Birth Certificate
Male Parent:	CESARIO ALVARADO	Male Parent Type:	Undisclosed
Female Parent:	MARIA ELENA ALVARADO	Female Parent Type:	Undisclosed

### Qualifying Arrival Information (most recent)

Qualifying Arrival Date:	09/17/1993	Qualifying Move To Location:	BAY, AR
Qualifying Move From Location:	RIO GRANDE CITY, TX, US		

### Eligibility Information

Expiration Date:	07/30/2004	Expiration Reason:	Unknown / Invalid
MEP Enrollment Date:	11/26/2001		

[Flag Record for Merge](#) [Flag Record for Split](#)

Send an MSIX user an email notification indicating that a student has arrived in your area or has moved to their area

[Send Notification](#)

[Export to File](#)



# Historical View



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## Historical Student Record View

[Back To Search Results](#)

**Student Name:** Marios Alberto Alvado  
**Search Results for MSIX ID:** 129261277693

[Consolidated Student View](#)

**Printing Options:**

### PAWA01NM004 (Pennsylvania)

#### Demographics

<b>Student Name:</b>	Marios Alberto Alvado	<b>Gender:</b>	Male
<b>Birth Date:</b>	05/26/1985	<b>Multiple Births:</b>	
<b>Birth Location:</b>	Rio Grande City, TX, US	<b>Birth Date Verification:</b>	Hospital Certificate
<b>Male Parent:</b>	Cesario Alvarado	<b>Male Parent Type:</b>	Birth
<b>Female Parent:</b>	Maria Alvarado	<b>Female Parent Type:</b>	Birth
<b>Eligibility Expiration Date:</b>		<b>Eligibility Expiration Reason:</b>	Unknown / Invalid
<b>MEP Enrollment Date:</b>	12/03/2005		

#### Qualifying Moves

#### Enrollments

### 77830696STZ (Washington)

#### Demographics

<b>Student Name:</b>	MARIO ALBERTO ALVARADO	<b>Gender:</b>	Male
<b>Birth Date:</b>	05/28/1985	<b>Multiple Births:</b>	
<b>Birth Location:</b>	RIO GRANDE CITY, TX, US	<b>Birth Date Verification:</b>	Birth Certificate
<b>Male Parent:</b>	CESARIO ALVARADO	<b>Male Parent Type:</b>	Undisclosed
<b>Female Parent:</b>	MARIA ELENA ALVARADO	<b>Female Parent Type:</b>	Undisclosed
<b>Eligibility Expiration Date:</b>	07/30/2004	<b>Eligibility Expiration Reason:</b>	Unknown / Invalid
<b>MEP Enrollment Date:</b>	11/26/2001		

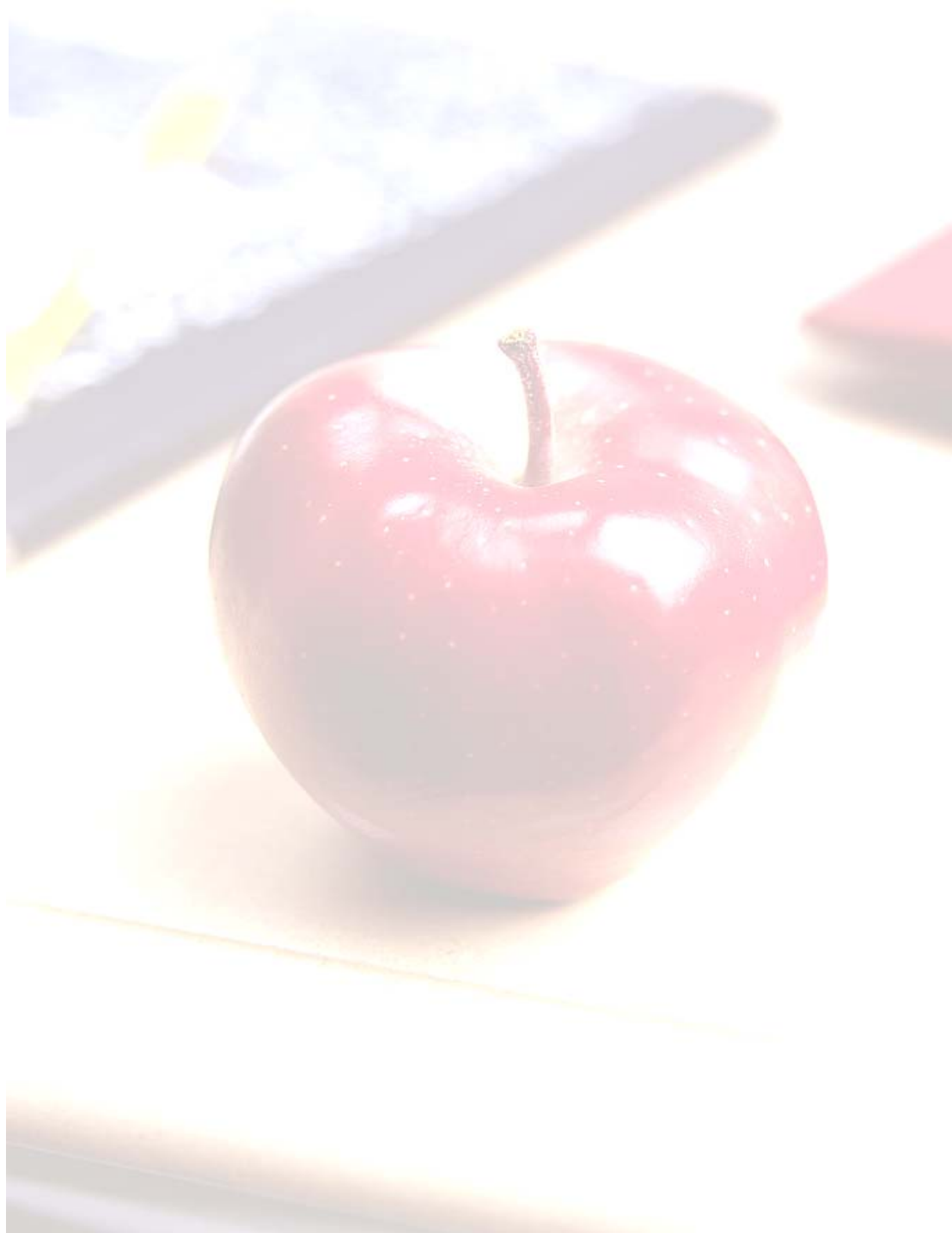
#### Qualifying Moves

#### Enrollments

**Break**

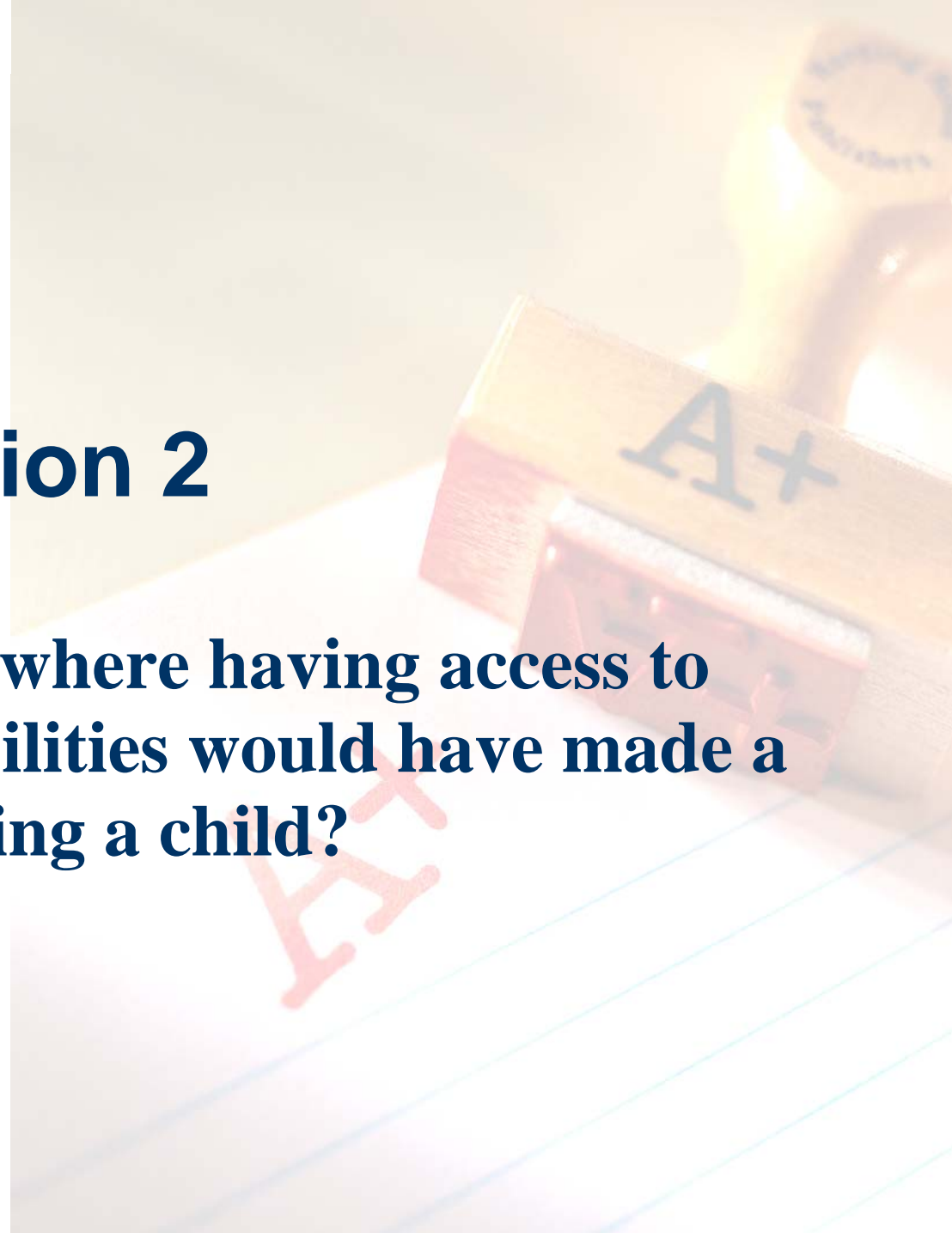


**Questions?**



## **Breakout Session 2**

**Name two instances where having access to MSIX data or capabilities would have made a difference in recruiting a child?**

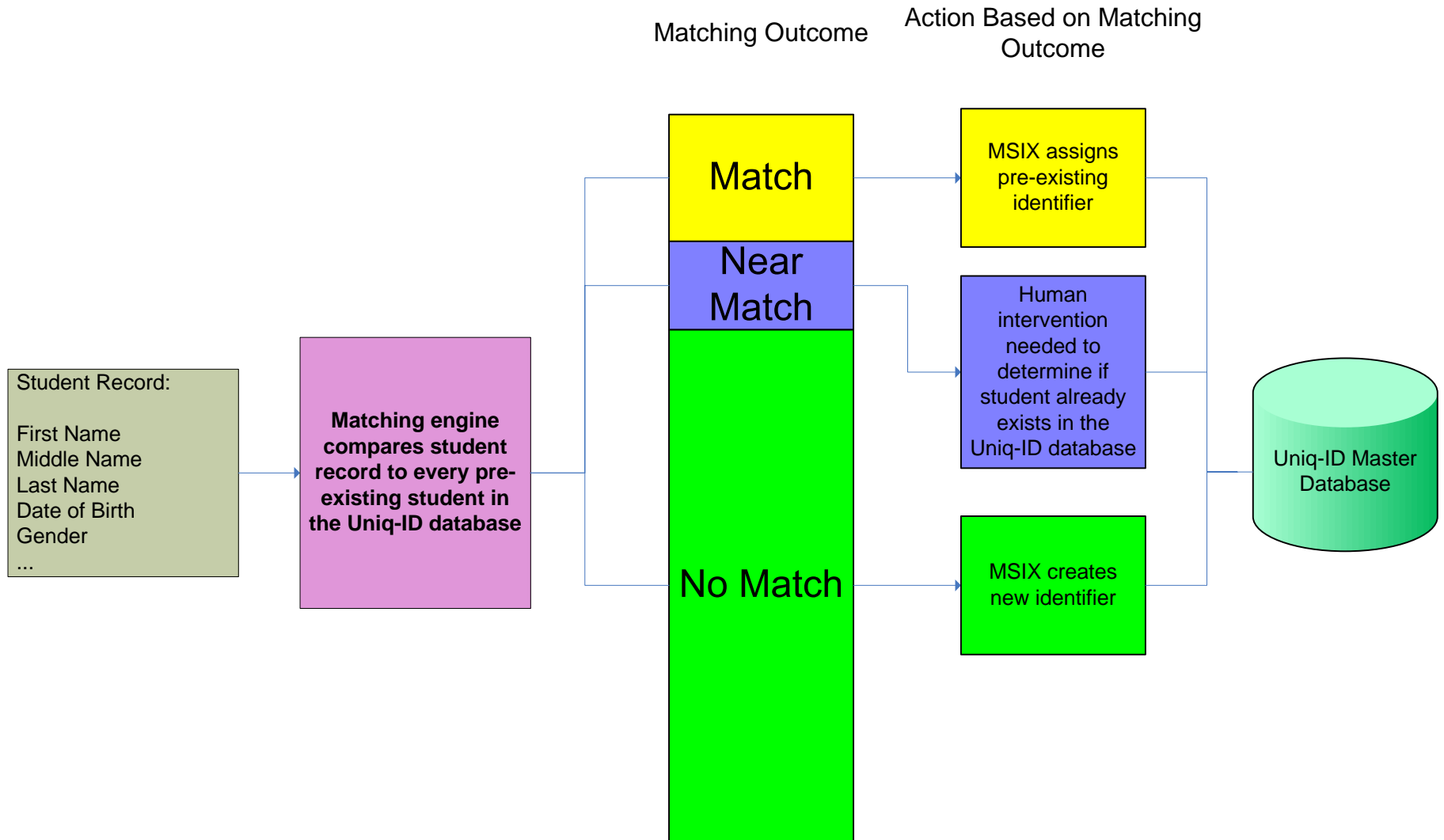


# MSIX Processes and Workflows



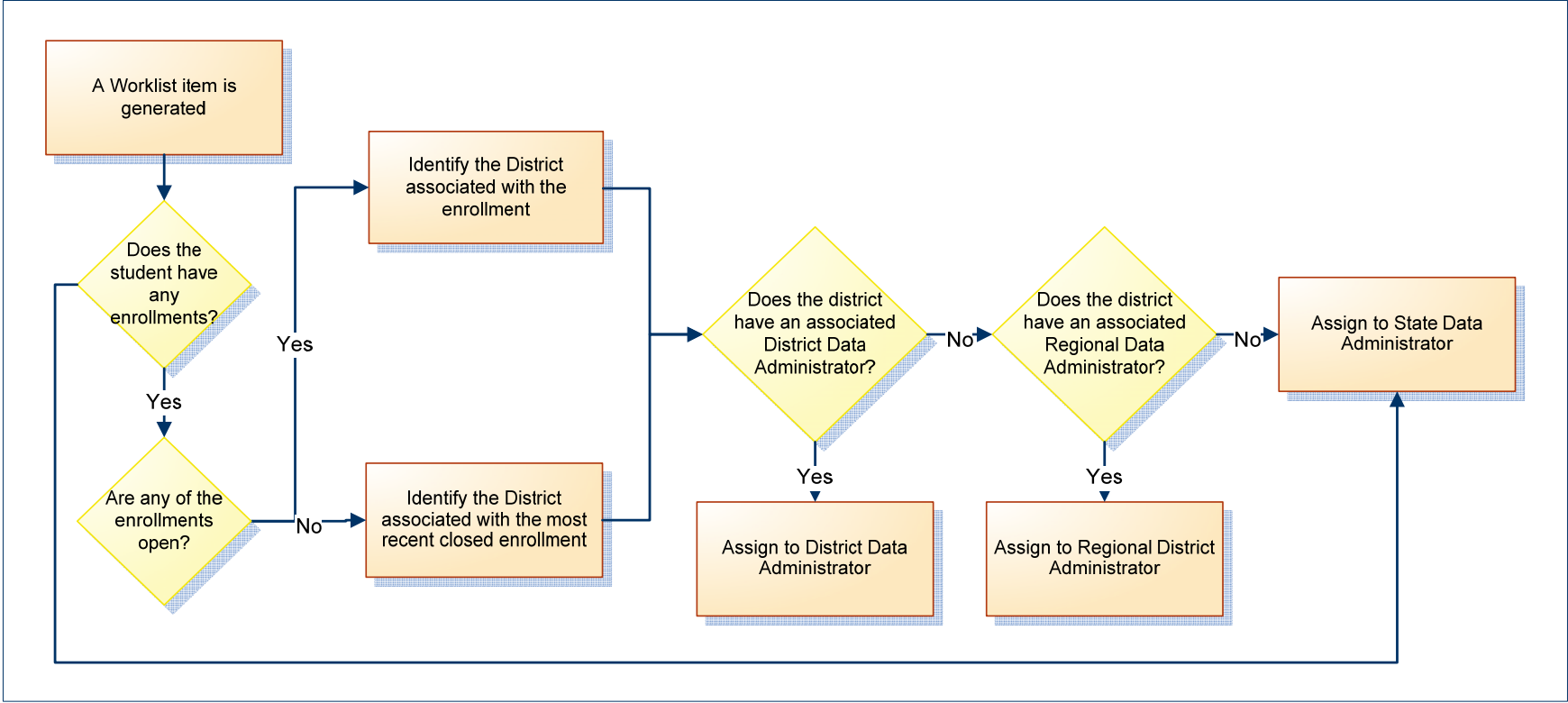


# MSIX uses the Uniq-ID student record matching process to identify exact matches, near matches and new students





# Worklist Assignment and Escalation



# Worklist Dashboard



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## Worklist for DistDataAdmin Pennsylvania

These are worklist items that have been identified and require an action to resolve or validate student records.

To view student record details, please click on any of the records below.

### Near Matches

Last Name	First Name	Middle Name	Suffix	Birth Date	Gender	Date Created
<a href="#">Alvado</a>	Marios	Alberto		05/26/1985	Male	2007-09-10 14:08:27.0
<a href="#">Cabrales</a>	Blanca	Denise		06/09/1994	Female	2007-09-10 14:08:27.0

### Validate Merge

You have no worklist items assigned.

### Validate User Initiated Merge

You have no worklist items assigned.

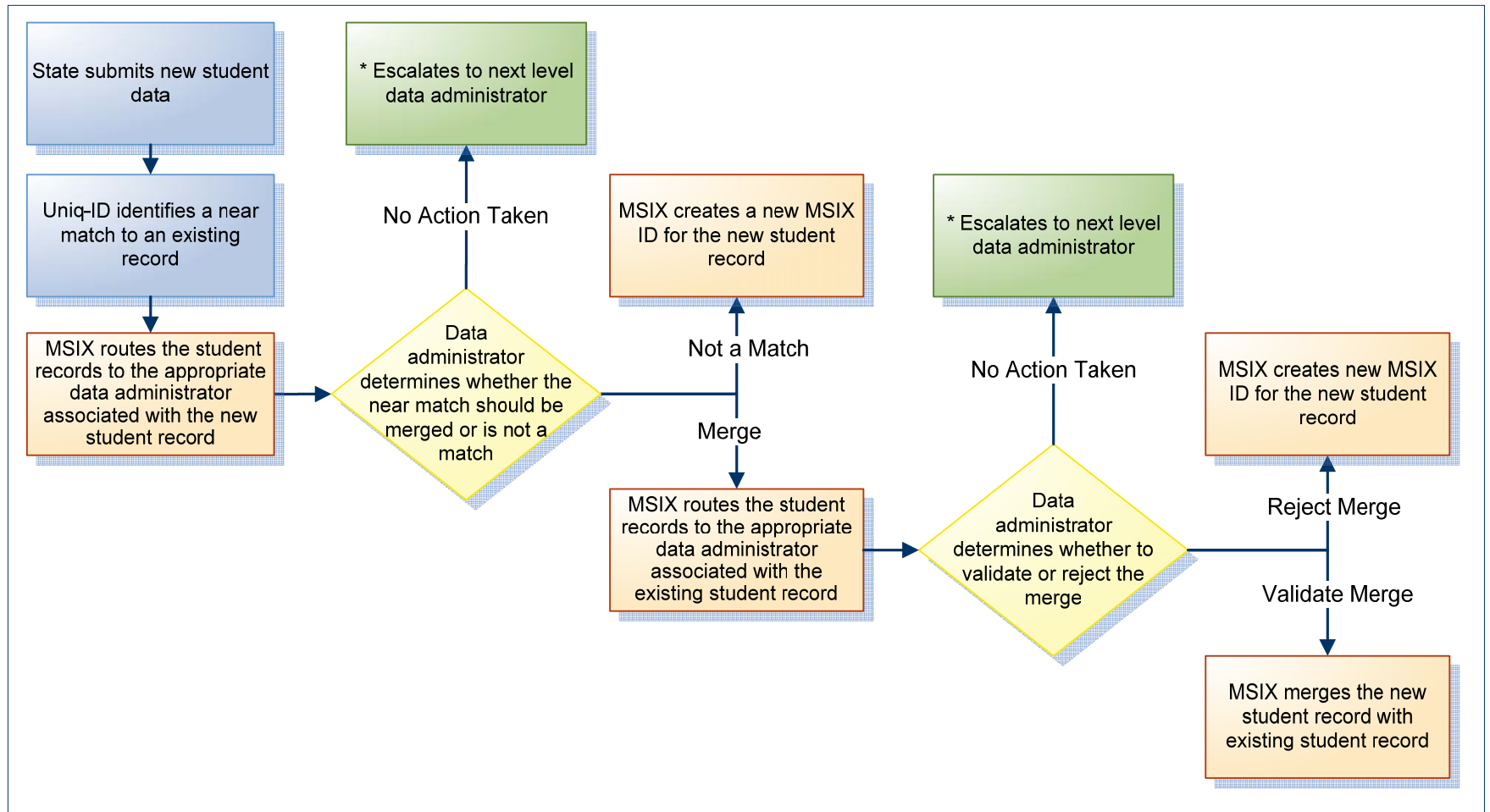
### Validate Split

You have no worklist items assigned.





# Workflow for Near Match Resolution



### \* Escalation Paths

District Data Administrator (DDA) > Regional Data Administrator (RDA) > State Data Administrator (SDA)

# Near Match Resolution



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## Near Match Process



## Near Match Process Flow



### Worklist: Near Match Resolution

[Return to Worklist](#)

New student record(s) has/have been submitted for validation. Please validate or reject the merge of the student record by clicking on the appropriate button. If you reject the merge, then a new MSIX ID will be created for the student record. If you validate the merge, the student records will be merged into one.

- If this is a new student, please click on the "New MSIX ID" button to create a new MSIX student ID.
- If any of the records are a match, please check one record at a time and click the "Merge Record" button.
- If none of the records are a match to the new student record, please select all the records and click the "Not a Match" button.

#### New Student Record:

*The New Student Record is a record recently submitted by a state to MSIX. The new record is a close match to one or more records already in MSIX.*

Submitting State: Pennsylvania  
 MSIX ID:  
 Birth Date: 05/26/1985  
 Multiple Birth:  
 Male Parent: Cesario Alvarado  
 Female Parent: Maria Alvarado  
 Qualifying Move From City:

Student State ID: [PAWA01NM004](#)  
 Student Name: Marios Alberto Alvado  
 Birth Location: Rio Grande City Texas  
 Gender: Male  
 Parent Type: Birth  
 Parent Type: Birth  
 Qualifying Move To City:

#### Near Matches Found in MSIX:

*The records below are potential matches to the New Student Record above.*

Submitting State: Washington  
 MSIX ID: [129261277693](#)  
 Birth Date: 05/28/1985  
 Multiple Birth:  
 Male Parent: CESARIO ALVARADO  
 Female Parent: MARIA ELENA ALVARADO  
 Qualifying Move From City:

Student State ID: [77830696STZ](#)  
 Student Name: MARIO ALBERTO ALVARADO  
 Birth Location: RIO GRANDE CITY Texas  
 Gender: Male  
 Parent Type: Undisclosed  
 Parent Type: Undisclosed  
 Qualifying Move To City:

#### Comments:



# Near Match Resolution

State MEP Directors



The New Student Record is a record recently submitted by a state to MSIX. The new record is a close match to one or more records already in MSIX.

New MSIX ID

Submitting State:	Pennsylvania	Student State ID:	<u>PAWA01NM004</u>
MSIX ID:		Student Name:	Marios Alberto Alvado
Birth Date:	05/26/1985	Birth Location:	Rio Grande City Texas
Multiple Birth:		Gender:	Male
Male Parent:	Cesario Alvarado	Parent Type:	Birth
Female Parent:	Maria Alvarado	Parent Type:	Birth
Qualifying Move From City:		Qualifying Move To City:	

**Near Matches Found in MSIX:**

The records below are potential

Microsoft Internet Explorer

Are you sure you want to proceed?

OK      Cancel

Submitting State:		Student State ID:	<u>77830696STZ</u>
MSIX ID:		Student Name:	MARIO ALBERTO ALVARADO
Birth Date:		Birth Location:	RIO GRANDE CITY Texas
Multiple Birth:		Gender:	Male
Male Parent:	CESARIO ALVARADO	Parent Type:	Undisclosed
Female Parent:	MARIA ELENA ALVARADO	Parent Type:	Undisclosed
Qualifying Move From City:		Qualifying Move To City:	

**Comments:**

I feel that these are the same student.

Not a Match

Merge Record



# Near Match Resolution – Confirmation Page



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## Confirmation

The two records will await validation for the final merge.

1- **Student Name:** Alvado, Marios

2- **Student Name:** ALVARADO, MARIO

To go back to your worklist please click [here](#).

To go back to your potential merge list please click [here](#).

To go back to your potential split list please click [here](#).

# Validate Merge Worklist



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## Near Match Process Flow



## Validate Merge from Near Match Process



[Return to Worklist](#)

## Worklist: Validate Merge

The new student record has been submitted for validation. Please validate or reject the merge of the student record by clicking on the appropriate button. If you reject the merge then a new MSIX ID will be created for the student record. If you validate the merge then the two student records will be merged into one.

DistDataAdmin Pennsylvania initiated this Student Merge/Split on 2007-09-19 21:19:13.0 and can be reached via 703-555-1212 ext: or msixtester@ed.gov43

Previously entered comments: I feel that these are the same student.

### New Student Record

<b>Submitting State:</b>	Pennsylvania	<b>Student State ID:</b>	PAWA01NM004
<b>MSIX ID:</b>		<b>Student Name:</b>	Marios Alberto Alvado
<b>Birth Date:</b>	05/26/1985	<b>Birth Location:</b>	Rio Grande City Texas
<b>Multiple Birth:</b>		<b>Gender:</b>	Male
<b>Male Parent:</b>	Cesario Alvarado	<b>Parent Type:</b>	Birth
<b>Female Parent:</b>	Maria Alvarado	<b>Parent Type:</b>	Birth

### Existing Record(s) in MSIX

<b>Submitting State:</b>	Washington	<b>Student State ID:</b>	77830696STZ
<b>MSIX ID:</b>	<a href="#">129261277693</a>	<b>Student Name:</b>	MARIO ALBERTO ALVARADO
<b>Birth Date:</b>	05/28/1985	<b>Birth Location:</b>	RIO GRANDE CITY Texas
<b>Multiple Birth:</b>		<b>Gender:</b>	Male
<b>Male Parent:</b>	CESARIO ALVARADO	<b>Parent Type:</b>	Undisclosed
<b>Female Parent:</b>	MARIA ELENA ALVARADO	<b>Parent Type:</b>	Undisclosed

### Comments:

Reject Merge

Validate Merge



# Validate Merge Resolution

[Return to Worklist](#)

- Worklist
- Potential Merge List
- Potential Split List
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## Worklist: Validate Merge

The new student record has been submitted for validation. Please validate or reject the merge of the student record by clicking on the appropriate button. If you reject the merge then a new MSIX ID will be created for the student record. If you validate the merge then the two student records will be merged into one.

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Previously entered comments: I feel that these are the same student.

### New Student Record

<b>Submitting State:</b>	Pennsylvania	<b>Student State ID:</b>	<a href="#">PAWA01NM004</a>
<b>MSIX ID:</b>		<b>Student Name:</b>	Marios Alberto Alvado
<b>Birth Date:</b>	05/26/1995	<b>Birth Location:</b>	Rio Grande City Texas
<b>Multiple Birth:</b>		<b>Gender:</b>	Male
<b>Male Parent:</b>	Cesario Alvarado	<b>Parent Type:</b>	Birth
<b>Female Parent:</b>	Maria Elena Alvarado	<b>Parent Type:</b>	Birth

### Existing Record(s) in MSIX

<b>Submitting State:</b>	Was	<b>State ID:</b>	<a href="#">77830696STZ</a>
<b>MSIX ID:</b>	<a href="#">1298</a>	<b>Name:</b>	MARIO ALBERTO ALVARADO
<b>Birth Date:</b>	05/26/1995	<b>Birth Location:</b>	RIO GRANDE CITY Texas
<b>Multiple Birth:</b>		<b>Gender:</b>	Male
<b>Male Parent:</b>	CESARIO ALVARADO	<b>Parent Type:</b>	Undisclosed
<b>Female Parent:</b>	MARIA ELENA ALVARADO	<b>Parent Type:</b>	Undisclosed

Comments:

Microsoft Internet Explorer

Are you sure you want to proceed?



# Validate Merge – Confirmation Page



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## Confirmation

The two students have been merged and updated accordingly.

**MSIX ID:** 129261277693

**Student Name:** Alvado, Marios

To go back to your worklist please click [here](#).

To go back to your potential merge list please click [here](#).

To go back to your potential split list please click [here](#).



# MSIX – User Initiated Merge and Split

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- Student 'Merge' : combine multiple records for the same student
  - Resolve MSIX-identified potential merges ('near matches')
  - User-Initiated merge, to manually combine student records
  - *Validate, through a review and approval workflow (facilitated by user worklists, action escalations, and email notifications)*
- Student 'Split' : separate erroneously combined students
  - User-Initiated split, to manually separate a merged student record
  - *Validate, through a review and approval workflow (facilitated by user worklists and email notifications)*



## **Breakout Session 3**

**What are some ways to ensure data quality from the COE to MSIX?**



**Break**



# MSIX Security





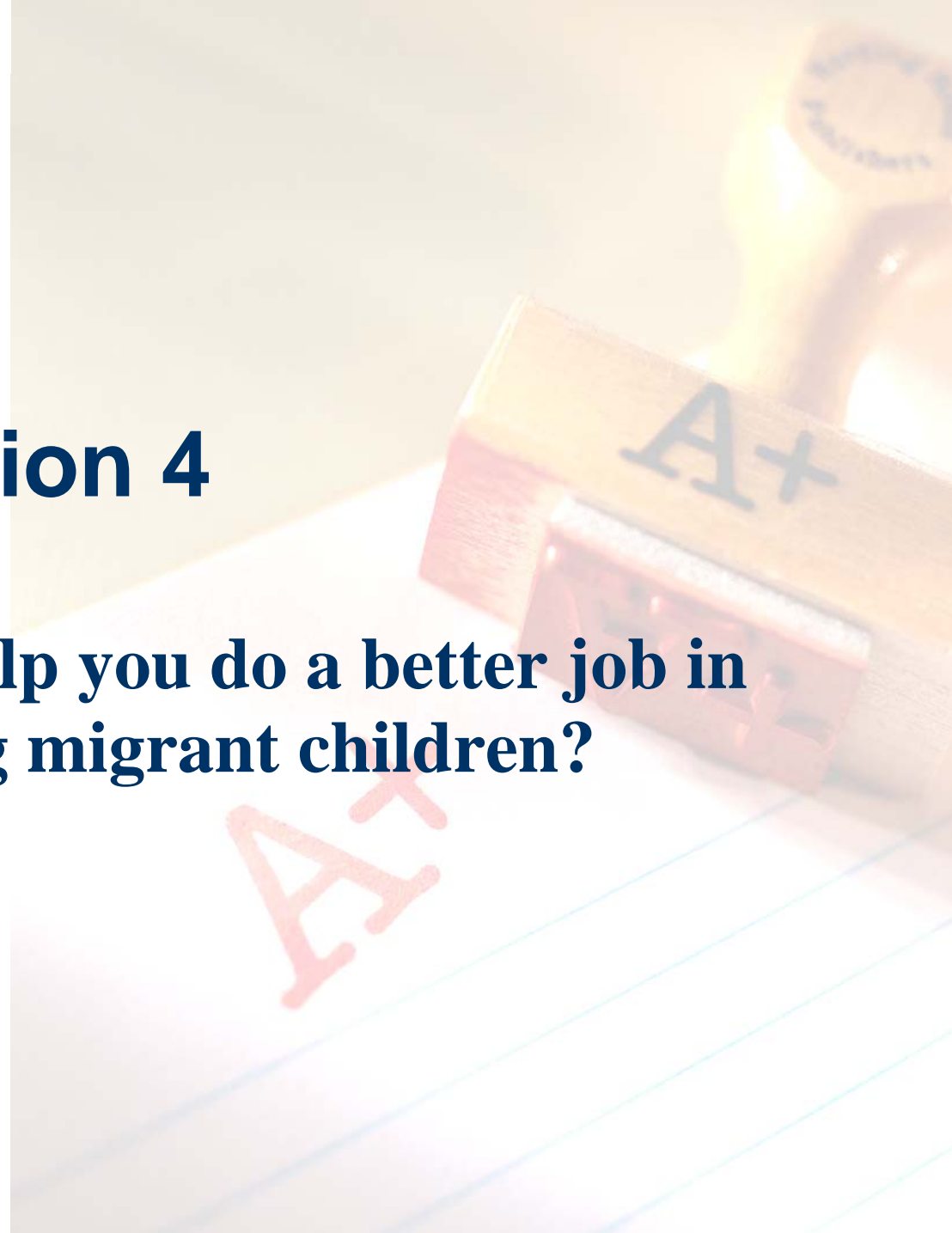
# Security

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- MSIX security is governed by Federal statutes, including:
  - Federal Information Security Management Act of 2002 (FISMA)
  - Privacy Act of 1974
  - Family Education Rights and Privacy Act of 1974 (FERPA)
  - Health Insurance Portability and Accountability Act of 1996 (HIPAA)
  - Office of Management and Budget Circular A-130, Appendix III, *Security of Federal Automated Information Resources*
  - U.S. Department of Education Security policies
- The statutes governing MSIX require implementation of a security program to manage overall risk to the system and the data within the system

## **Breakout Session 4**

**How could MSIX help you do a better job in recruiting or serving migrant children?**





## How can I get more information?

Topic	Contact Information
<b>Technical or General MSIX Information</b>	MSIX Project Team: <a href="mailto:msixteam@deloitte.com">msixteam@deloitte.com</a>
<b>States Assistance Task</b>	MSIX States Assistance Team: <a href="mailto:msixstatesassistance@deloitte.com">msixstatesassistance@deloitte.com</a>
<b>Migrant Record Exchange Initiative</b>	Website: <a href="http://www.ed.gov/admins/lead/account/recordstransfer.html">http://www.ed.gov/admins/lead/account/recordstransfer.html</a>  Email: <a href="mailto:msixteam@ed.gov">msixteam@ed.gov</a>  Jennifer K. Dozier, <a href="mailto:Jennifer.Dozier@ed.gov">Jennifer.Dozier@ed.gov</a>

**Questions?**

