



# Intro to Data Validation

*Session 973-1*

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# Data Validation Process

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## Data Input Validation

Ensuring only properly formed data is entering the database

## Post-Input Validation

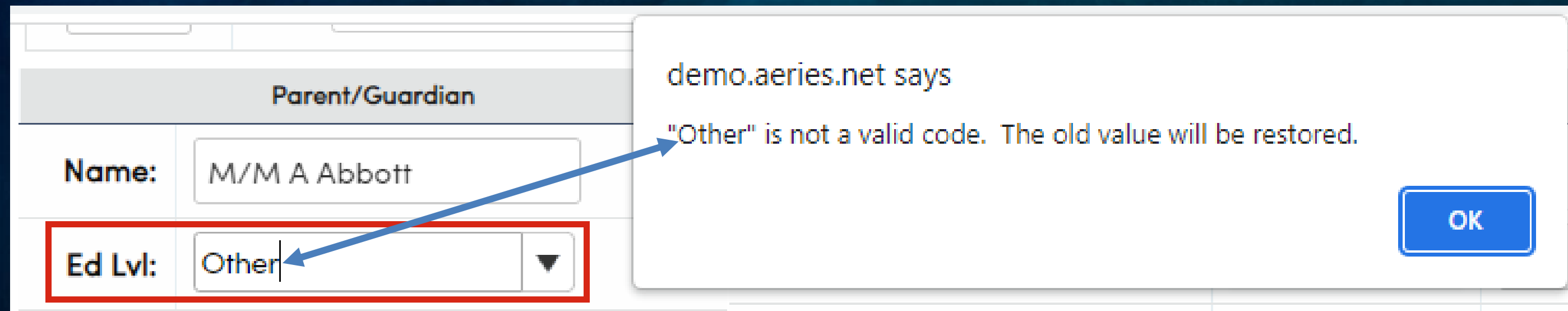
Checking the accuracy and quality of data after it has been saved



AERIESCON

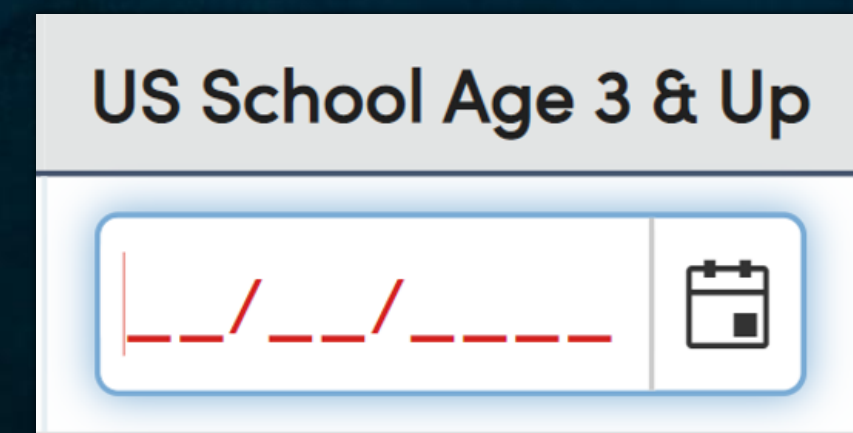
# Examples of Data Input Validation

**Drop-down menus** - an error message will appear if a value that does not appear in the dropdown is entered into a field



The screenshot shows a web form titled "Parent/Guardian". It has two fields: "Name:" with the value "M/M A Abbott" and "Ed Lvl:" with the value "Other". The "Ed Lvl:" field is highlighted with a red border. A blue arrow points from the "Other" value in the dropdown to an error message box. The error message box contains the text: "demo.aeries.net says 'Other' is not a valid code. The old value will be restored." and an "OK" button.

**Data type field recognition** – prevents the input of invalid characters in the field; for example, only numbers can be entered into date fields.



The screenshot shows a date field with the title "US School Age 3 & Up". The field contains a red dashed line mask: "\_\_\_\_/\_\_\_\_/\_\_\_\_". To the right of the field is a calendar icon.



# Examples of Data Input Validation

## Define Required Fields

- Require certain fields be populated to add or update a record
- Required fields are highlighted in turquoise when in edit mode
- Limited to specific tables

Required Fields

Select Table: Student Demographics - STU

Required Fields

Save

Name	Field Code	Required?	Low Value	High Value
Student#	SN	<input type="checkbox"/>		
Last Name	LN	<input checked="" type="checkbox"/>		
First Name	FN	<input checked="" type="checkbox"/>		
Middle Name	MN	<input type="checkbox"/>		
Student ID	ID	<input type="checkbox"/>		
Gender	GN	<input checked="" type="checkbox"/>		
Grade	GR	<input checked="" type="checkbox"/>		
Birthdate	BD	<input type="checkbox"/>		
Parent/guardian	PG	<input type="checkbox"/>		
Primary Phone	TI	<input type="checkbox"/>		

Stu#	Last Name	First Name	Middle Name	Suffix	Gender	Grd
1	Abbott	Allan	James		M	12





# Examples of Data Input Validation

Stu#	Last Name	First Name	Middle Name	Suffix	Gender	Grd
1	Abbott	Allan	James			12

Required Fields

You must put in a valid value in the GN field.

OK

Next Prg 1

Next Prg 2

Next IntDist

Next ResDist

Save

Cancel

Quick Print

Show/Hide Legal Name



Records cannot be added or saved if a required field is blank.

# Data Input Validation

**Highlight State Reporting Fields** - when enabled, all fields that are extracted for state reporting will be highlighted in green

Screaming Eagle High School ▾ admin ▾ ?

General Contact Add'l Info Flags 4 Programs 6 User Codes ▾

First Name	Middle Name	Suffix	Gender	Grd	Age	Birthdate
Allan	James		Male	12	0	

First Alias	Middle Alias	Birth Verif	Status
AJ		Hospital Certificate (2)	Active

Residence and Mailing Address 📍 Residence Address Status

1118 Glenview Lane  
Eagle Rock, CA 99999 ■ Address Not Found.

ResSchl	IntDist	ResDist	IntDist Exp Dt	SchlChoice	Name Addr Ver
Screaming Eagle High School (994)				No	8/28/2019

Telephone	Extn	Student Contact Info
Primary: (777) 555-9448		Student's Email: student@aeries.com
Father Work - Adam A: (777) 555-7537		Student's Mobile:
Stepmother Mbl - Sar: (777) 569-1498		Notification Pref:

Att Prg 1	Att Prg 2	US School Age 3 & Up	US School K-12	Dist Enter Dt	Schl Enter Dt	Schl Leave Dt	9th Grade Entry Year	Cohort
			1/1/2010	9/5/2014	9/5/2017		2016-2017	2019-2020

admin ^

Highlight State Reporting Fields ☒

Account Settings

Change Password

Log Out

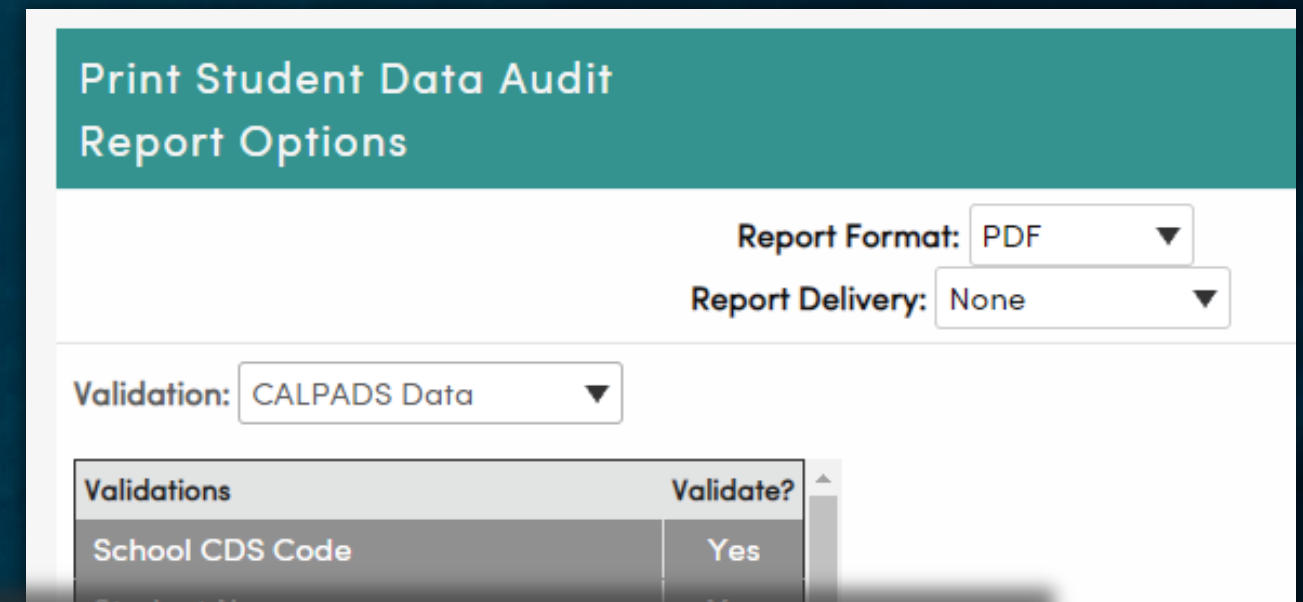


# Post Input Validation

**Reports** - many reports in Aeries help find data inconsistencies

**Aeries Query** - create and customize queries to identify bad data in any table

**SQL Query** - create and customize queries, including those that are too complex for Aeries Query



Validations	Validate?
School CDS Code	Yes
Student Name	Yes

Eagle Unified School District				
2021-2022		CALPADS Data Audit		
Screaming Eagle High School				
Stu ID	Student Name	Grade	Field	Error / Warning
SUMMARY:	E Aeries Language Fluency is different than the one in CALPADS.			1942
	E Birth Country is other than US or PR. SSD.SUS needs to be 'Y' or 'N'.			737
	E Cannot perform STU.BD vs LAC.USS validation. LAC.USS is not populated.			168
	E Could not determine if student is enrolled more than 90 days.			2
	E In Foster program, but SSD.FID is empty.			146
	E In Migrant program but SSD.MID is empty.			34
	E Offense code is empty.			1
	E Offense code requires this field to be populated.			4
	E Open PGM record from previous year. It will be in the SPRG extract with Prog Start Date = Enrollment Start Date.			146
	E Parent Education Level code is blank.			22
	E Please check your codes in STU.HL and LAC.L2.			13
	E Race code in STU.RC1 is invalid and not in COD.			19
	E Student does not have a race code.			668
	E Student enrolled more than one year and still TBD.			1
	E Student is active but has STU.USC or/and STU.LSC populated.			60






# Post Input Validation – Data Validation

Run SQL queries within the Aeries interface...

Query Definition Test SQL Query

```
1 select
2     stu.sc [SchoolCode],
3     stu.id [Student ID],
4     '' as [Description]
5 from
6     stu
7 where
8     stu.del = 0
9     and stu.bd is NULL
10    and stu.sc = @SchoolCode
11    and stu.id in (@StudentID)
```

AERIES006 - Date of Birth missing

 Validation Group: AERIES\_DEMO - Demographics

Key Field 1: Student ID [Link to Page 1: Students.aspx](#)

Student Related: Yes User Can Refresh: Yes

Possible Cause: Missing Date of Birth

Possible Solution: Enter Date of Birth on the Demographics page according to Birth Certificate or other accepted document.

Query Definition:

```
select
    stu.sc [SchoolCode],
    stu.id [Student ID],
    '' as [Description]
```

First Encountered: 9/27/2021 11:33:10 AM Last Encountered: 9/27/2021 11:33:10 AM Last Run Count: 1 Last Execution Time: 1 ms

[Less Info](#) ^

Last Run: 9/27/2021 11:33:10 AM





# Post Input Validation – Data Validation

Run SQL queries within the Aeries interface...

Query Definition

Test SQL Query

```
1 select
2 stu
3 stu
4 ..
5 from
6 stu
7 where
8 stu
9 and
10 and
11 and
```

AERIES006 - Date of Birth missing

Validation Group: AERIES\_DEMO - Demographics  
Key Field 1: Student ID    Link to Page 1: Students.aspx

My Results

Other Results

Admin Options

AERIES\_DEMO - Demographics

Refresh 1002

AERIES006 - Date of Birth missing

1 ^

Possible Cause

Missing Date of Birth

Possible Solution

Enter Date of Birth on the Demographics page according to Birth Certificate or other accepted document.

Keep Students

Link	Student ID	Description	First Encountered	Age (Days)
Demographics	99000001		10/27/2023 9:06 AM	0

1

1 - 1 of 1 items

...and generate a user-friendly list of results



# Data Validation Benefits

- Define rules for any criteria
- Run automatically or on demand
- Automatically notify staff of errors
- Use built-in definitions or create your own!



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# Data Validation Pages

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School Info	^
Data Validation	^
Data Validation Config	
Data Validation Definitions	
Data Validation Results	

Found in “School Info” category

**1** Data Validation Config

**2** Data Validation Definitions

**3** Data Validation Results





# System Setup

Data Validation Config



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# Data Validation Config – System Setup

**Scheduled Process** – select the time and days when the Data Validation process will run

## Data Validation Config

### System Setup

#### Scheduled Process

Save

Days to run process:

☐ Sunday

☒ Monday

☐ Tuesday

☒ Wednesday

☐ Thursday

☒ Friday

☐ Saturday

Time:  
Time of day to run the process on each selected day.  
Scheduled processes may begin up to 10 minutes after  
their scheduled value.

8:00 PM

Status: Enabled

Disable Scheduled Process

\*Enabling the scheduled process will automatically process all active Data Validations on the  
selected days and time.

#### Aeries Defaults

i Aeries has a set of sample Validation Definitions to help you get started.

Add/Update Defaults



# AERIESCON

# Data Validation Config – System Setup

**Aeries Defaults** – Click to install the Aeries default validation definitions and groups

Data Validation Config

System Setup

Scheduled Process

Save

Days to run process:

☐ Sunday

☒ Monday

☐ Tuesday

☒ Wednesday

☐ Thursday

☒ Friday

☐ Saturday

Time:

Time of day to run the process on each selected day.  
Scheduled processes may begin up to 10 minutes after their scheduled value.

8:00 PM

Status: Enabled

Disable Scheduled Process

\*Enabling the scheduled process will automatically process all active Data Validations on the selected days and time.

Aeries Defaults

i

Aeries has a set of sample Validation Definitions to help you get started.

Add/Update Defaults





# Data Validation Groups

Data Validation Config



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# **Data Validation Definitions are organized into different Data Validation Groups**





Clicking  
"Add/Update  
Defaults" adds  
12 sample Data  
Validation  
Groups for you  
to start with

**Aeries Defaults**

**i** Aeries has a set of sample Validation Definitions to help you get started.

**Add/Update Defaults**

**Data Validation Config**

System Setup

**Data Validation Group**

Please Select One

**Data Validation Group Details**

- Please Select One
- AERIES\_CON - Contacts
- AERIES\_CRS - Courses
- AERIES\_DEMO - Demographics
- AERIES\_DISC - Assertive Discipline
- AERIES\_ENR - Enrollment
- AERIES\_LANG - Language Assessment
- AERIES\_MST - Master Schedule



# Aeries Default Groups



AERIES_ENR	Enrollment
AERIES_DEMO	Demographics
AERIES_PGM	Programs
AERIES_MST	Master Schedule
AERIES_SMS	Scheduling Master Schedule
AERIES_LANG	Language Assessment
AERIES_CON	Contacts
AERIES_TRX	Transcripts
AERIES_DISC	Assertive Discipline
AERIES_CRIS	Courses
AERIES_SETUP	Aeries Setup
AERIES_STF	Staff





# Data Validation Groups

Select a Data Validation Group

Select the schools where the definitions in this group will run

Select any Responsible Groups

Select any Responsible Users

All definitions in this group will be listed here

Data Validation Config

System Setup

Data Validation Group **AERIES\_DISC - Assertive Discipline**

Data Validation Group Details

Short Name

Description

Visibility Scope

Security Area

Disabled ☐

Last Run Count 581

[Save](#) [Delete](#)

[Schools](#) [Responsible Groups](#) [Responsible Users](#) [Validation Definitions](#)

**Use the [Data Validation Definitions](#) page to edit and manage these items**

**AERIES031 - Missing Incident ID**

User Name	Last Name
admin	

Responsible Groups & Responsible Users come from UGN

[Pages](#) [Reports](#) [Favorites](#)

[security](#)

**Security**

Users

Groups





# Data Validation Definitions



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# Data Validation Definitions

Data Validation Definitions

Filter Options

☐ Only Active
☐ Only Student-Related
Group ID: AERIES\_CON - Contacts
Search Text: 

Apply

Reset

Validation Definitions

AERIES032 - Missing Ed Rights Holder Contact

Validation Group: AERIES\_CON - Contacts

Key Field 1: Student ID

Link to Page 1: EmergencyContacts.aspx

Student Related: Yes

User Can Refresh: Yes

Possible Cause:

An error will generate if a student doesn't have a valid **Contact** record. The student should have at least one contact with Educational Rights (CON.ERH = Y).

Possible Solution:

Verify that the student's Contact information is updated. Verify that there is at least one Contact record with the Educational Rights Holder flag set to Yes

More Info

Last Run: Never

AERIES033 - Invalid Contact Email Address

AERIES035 - No Communications Contact

AERIES036 - Communications Contact Missing First Name or Last Name

AERIES037 - Parent Account Email not on any Contact

# On this page you can:

- view existing definitions
- edit existing definitions
- create custom definitions


**Note: This page is only available to admin type accounts**



# AERIESCON

Clicking  
"Add/Update  
Defaults" adds  
44 Data  
Validation  
Definitions

### Aeries Defaults

 Aeries has a set of sample Validation Definitions to help you get started.

Add/Update Defaults

### Data Validation Definitions

Filter Options

☐ Only Active ☐ Only Student-Related Group ID: All Groups Search Text:

Apply Reset

Validation Definitions

Add

AERIES001 - Concurrent Primary Enrollments	▼
AERIES002 - Multiple Pre-Enrolled Records	▼
AERIES003 - Next Grade Invalid for Next School	▼
AERIES004 - Missing Counselor/Teacher field	▼
AERIES005 - Missing CDS Code	▼
AERIES006 - Date of Birth missing	▼
AERIES007 - Missing Birth City	▼
AERIES008 - Invalid Birth State	▼
AERIES009 - Invalid Birth Country	▼
AERIES010 - Missing Next School (Alt Ed or T165)	▼
AERIES011 - Missing Exit Reason	▼
AERIES012 - Missing Completion Status	▼
AERIES013 - Missing US School Less than 3 Years Indicator	▼
AERIES014 - Missing Migrant ID	▼





# Data Validation Definitions

- View all definitions
- Limit to active definitions
- Limit to student-related definitions
- Limit definitions by group
- Search definitions by title

Data Validation Definitions ☆

Filter Options Apply Reset

☒ Only Active ☒ Only Student-Related Group ID: AERIES\_ENR - Enrollment Search Text: missing

Validation Definitions + Add

AERIES010 - Missing Next School (Alt Ed or T165)	▼
AERIES011 - Missing Exit Reason	▼
AERIES012 - Missing Completion Status	▼
AERIES013 - Missing Birth City	▼
AERIES010 - Missing Next School (Alt Ed or T165)	▼
AERIES011 - Missing Exit Reason	▼
AERIES012 - Missing Completion Status	▼
AERIES013 - Missing US School Less than 3 Years Indicator	▼
AERIES014 - Missing Migrant ID	▼
AERIES017 - Missing Multiple Teacher Indicator	▼
AERIES020 - Section Missing Teacher	▼
AERIES020 (Edited) - Section Missing Teacher	▼
AERIES022 - SMS Missing Teacher	▼
AERIES024 - Missing State Course Group Code	▼

Or any combination of these filters!





## Filter Options

Apply

Reset

☒ Only Active☐ Only Student-Related

Group ID: All Groups

Search Text:

## Validation Definitions

+ Add

AERIES001 - Concurrent Primary Enrollments

AERIES002 - Multiple Pre-Enrolled Records



Validation Group: AERIES\_ENR - Enrollment

Key Field 1: Student ID Link to Page 1: Students.aspx

Student Related: Yes User Can Refresh: Yes

**Possible Cause:** The student is pre-enrolled in another school in addition to this school. A student may be pre-enrolled in only one school at a time.

**Possible Solution:** If the student should not be pre-enrolled in this school, either inactivate or delete the student record. If the student should be pre-enrolled in this school, contact the other school listed and have them either inactivate or delete the student record. Note: Do NOT delete the student record if the student has attendance/enrollment at this school in the current year.

## Query Definition:

```
SELECT
    S1.SC [SchoolCode],
    S1.ID [Student ID],
    'Student also pre-enrolled at ' + LOC.NM + ' (' + cast(LOC.CD AS varchar) + ')' [Description]
```

Last Run Count: 0 Last Execution Time: 3 ms

Less Info ^

Last Run: 11/6/2023 9:53:14 AM

AERIES003 - Next Grade Invalid for Next School



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Click on a  
definition to  
view more  
details



# Definitions - Field Descriptions

Give your definition a **short name** and a **description**

Which **Validation Group** members are responsible for correcting this error?

**NOTE:** This also determines the scope

**Key Field 1** is required

**Key Field 2** is optional

These fields will display on the **Data Validation Results** page

Links to pages within Aeries to help the user clear the error

If this message appears, **deep linking** is supported

**Add Validation Definition**

<b>Short Name</b> ShortName	<b>Description</b> A Description of this Error	<b>Validation Group</b> Group - Data Validation Group ▼			
<b>Key Field 1</b> Required	<b>Key Field 2</b> Optional	<b>Link to Page 1</b> Page.aspx ▼	<b>Link to Page 2</b> --Select One-- ▼		
Query String Params: sq					
<b>Severity Level</b> --Select One-- ▼	<b>Student Related?</b> <input checked="" type="checkbox"/>	<b>User Can Refresh?</b> <input checked="" type="checkbox"/>	<b>Disabled?</b> <input type="checkbox"/>	<b>Start Date</b> <input type="text"/>	<b>End Date</b> <input type="text"/>

Severity Level is for **information only**. You can add custom values in the COD table

If this definition is **student related**, check this box

To allow **users to refresh their results**, check this box

To **exclude this definition** from running, check this box

To have this definition **run within a date range**, enter the start and end date



**AERIESCON**

# Definitions - Field Descriptions

Give your definition a **short name** and a **description**

Which **Validation Group** members are responsible for correcting this error?

**NOTE:** This also determines the scope

**Key Field 1** is required

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These fields will display on the **Data Validation Results** page

Add Validation Definition					
<b>Short Name</b> ShortName	<b>Description</b> A Description of this Error		<b>Validation Group</b> Group - Data Validation Group ▼		
<b>Key Field 1</b> Required	<b>Key Field 2</b> Optional	<b>Link to Page 1</b> Page.aspx ▼	<b>Link to Page 2</b> --Select One-- ▼		
Query String Params: sq					
<b>Severity Level</b> --Select One-- ▼	<b>Student Related?</b> <input checked="" type="checkbox"/>	<b>User Can Refresh?</b> <input checked="" type="checkbox"/>	<b>Disabled?</b> <input type="checkbox"/>	<b>Start Date</b> <input type="text"/>	<b>End Date</b> <input type="text"/>

Links to pages within Aeries to help the user clear the error

If this message appears, **deep linking** is supported

Severity Level is for **information only**. You can add custom values in the COD table

If this definition is **student related**, check this box

To allow **users to refresh their results**, check this box

To **exclude this definition** from running, check this box

To have this definition **run within a date range**, enter the start and end date



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# Definitions - Cause, Solution, and Query

What is the error?

How is the error resolved?

HTML formatting is supported

Query Definition Test SQL Query

You will need to reference the definition details to create your SQL script



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# Data Validation Results



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# Data Validation Results

The My Results tab displays the current user's errors

Data Validation Results

i

Only results for the current school are shown

My Results

Other Results

Admin Options

AERIES\_CON - Contacts

Refresh

769

AERIES032 - Missing Ed Rights Holder Contact	645	▼
AERIES035 - No Communications Contact	3	▼
AERIES036 - Communications Contact Missing First Name or Last Name	12	▼
AERIES037 - Parent Account Email not on any Contact	100	▼
AERIES039 - Inconsistent Contact Data between Communications Contacts	9	▼

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# Data Validation Results

The Other Results tab displays all other errors the current user has access to

Data Validation Results	
<div><div><i>i</i></div><div>Only results for the current school are shown</div></div>	
My Results	Other Results
Admin Options	
AERIES_DEMO - Demographics	
908	
AERIES004 - Missing Counselor/Teacher field	
1	
AERIES007 - Missing Birth City	
151	
AERIES013 - Missing US School Less than 3 Years Indicator	
756	
AERIES_DISC - Assertive Discipline	
0	
AERIES_ENR - Enrollment	
3	





# Data Validation Results

The Admin Options tab allows admin users to refresh the results on demand

### Data Validation Results

*i* Only results for the current school are shown

My Results

Other Results

Admin Options

Refresh All Results

*\** Refresh the results for all active Data Validation Groups at all schools. This process may take a long time to run.

*i* Process Last Run: 9/21/2021 10:38:25 AM

☐ Send Email Notifications to Responsible Users

☒ Email Me When Process Is Complete

Refresh All Results



# Data Validation Results

Results display by **Validation Group**

Number of results display by group & by **individual rule**

Click on any definition title to **view details** and resulting records

Click the page **link** to be taken directly to the record that needs correcting (in a new tab)

Data Validation Results

**Only results for the current school are shown**

My Results Other Results Admin Options

**AERIES\_DEMO - Demographics** Refresh 21

AERIES004 - Missing Counselor/Teacher field 20

AERIES006 - Date of Birth missing 1

**Possible Cause**  
Missing Date of Birth

**Possible Solution**  
Enter Date of Birth on the Demographics page according to Birth Certificate or other accepted document.

**Keep Students**

Link	Student ID	Description	First Encountered	Age (Days)
<a href="#">Demographics</a>	99400973		9/27/2021 11:33 AM	0

1 - 1 of 1 items

**AERIES\_MST - Master Schedule** Refresh 12

AERIES019 - Inactive Course in Master Schedule 12






# Data Validation Results - My Results

Each Data Validation Group's responsible users will receive an **email summary** after the scheduled process completes.


These results will display on the **My Results** tab on the Data Validation Results page

If configured, users can **refresh** their results by group

Data Validation Results

 Only results for the current school are shown

**My Results** Other Results Admin Options

AERIES\_LANG - Language Assessment  Refresh 578

Dear admin,

Below is your summary of the current Aeries Data Validation results.

## AERIES\_ENR - Enrollment

School	Count
Golden Eagle Elementary School(990)	3
Aeries Continuation School(995)	224
Eagle Flight School(996)	1

## AERIES\_STF - Staff

School	Count
Eagle Unified School District	324

Please login to Aeries and go to the Data Validation Results page to see details of the issues that need your attention.



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# Data Validation Results

## Additional Information

- Users will need READ permission to DVR to view this page
- Users can only see results for data they have permission to view **based on the Data Validation Group**
- Users can only see results for schools they have access to





# Creating Definitions



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## Data Validation Config



### System Setup

#### Scheduled Process

Save

Days to run process:

- ☐ Sunday
- ☒ Monday
- ☐ Tuesday
- ☒ Wednesday
- ☐ Thursday
- ☒ Friday
- ☐ Saturday

Time:

Time of day to run the process on each selected day.  
Scheduled processes may begin up to 10 minutes after  
their scheduled value.

8:00 PM



Status: **Enabled**

Disable Scheduled Process

\*Enabling the scheduled process will automatically  
selected days and time.

#### Aeries Defaults



Aeries has a set of sample Validation Definitions to help you get started.

Add/Update Defaults

**Add/Update Defaults to  
restore the original  
definition**

AERIES004 (Edited) - Missing Counselor/Teacher field

AERIES005 - Missing CDS Code

AERIES006 - Date of Birth missing



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# Editing Existing Definitions

Check the “Disabled?” box to exclude a definition from running

**Edit Validation Definition**

<b>Short Name</b> AERIES003	<b>Description</b> Next Grade Invalid for Next School	<b>Validation Group</b> AERIES_ENR - Enrollment	
<b>Key Field 1</b> Student ID	<b>Key Field 2</b> Next Grade	<b>Link to Page 1</b> Students.aspx	<b>Link to Page 2</b> --Select One--
<b>Severity Level</b> --Select One--	<b>Student Related?</b> <input checked="" type="checkbox"/>	<b>User Can Refresh?</b> <input checked="" type="checkbox"/>	<b>Disabled?</b> <input checked="" type="checkbox"/>
<b>Start Date</b>		<b>End Date</b>	

**Possible Cause**

Next Grade (STU.NG) falls outside of the allowable grade range of the student's Next School (STU.NS).

**Possible Solution**

Save Cancel Delete

Definitions will be labeled with “Disabled” if this box is checked



# Editing Existing Definitions

Populate the Start Date and End Date fields for definitions that only need to run within a specific time frame

**Edit Validation Definition**

Short Name AERIES022	Description SMS Missing Teacher	Validation Group AERIES_SMS - Scheduling M...	
Key Field 1 Section Number	Key Field 2	Link to Page 1 SchedulingMaster.aspx Query String Params: SE	Link to Page 2 --Select One--
Severity Level --Select One--	Student Related? <input type="checkbox"/>	User Can Refresh? <input checked="" type="checkbox"/>	Disabled? <input type="checkbox"/>
		Start Date 03/18/2024	End Date 08/01/2024

Possible Cause

Possible Solution

**Save** **Cancel** **Delete**

## Validation Definitions

AERIES020 - Section Missing Teacher

AERIES022 - SMS Missing Teacher

Inactive Date Range

Definitions will be labeled with "Inactive Date Range" if outside of the specified dates





# Copy an Aeries Default

Rather than creating a new definition from scratch, you can use an existing Aeries default definition as a guide

Just find an Aeries default definition with a similar definition, make the desired changes, and then download the Aeries Defaults again

**Let's copy a default definition to create a new definition  
for missing student emails (in STU.SEM)**



# Copy a default definition

Find a similar Definition

Edit the details


Adjust the SQL query

Save Changes

Download the Defaults

AERIES006 is a good starting point  
– simple query & is student-related

**AERIES006 - Date of Birth missing**

 **Validation Group:** AERIES\_DEMO - Demographics  
**Key Field 1:** Student ID   **Link to Page 1:** Students.aspx  
**Student Related:** Yes   **User Can Refresh:** Yes  
**Possible Cause:** Missing Date of Birth  
**Possible Solution:** Enter Date of Birth on the Demographics page according to Birth Certificate or other accepted document.  
**Query Definition:**  

```
select
    stu.sc [SchoolCode],
    stu.id [Student ID],
    '' as [Description]
```

**First Encountered:** 10/27/2023 9:06:08 AM   **Last Encountered:** 11/3/2023 8:51:54 AM   **Last Run Count:** 1   **Last Execution Time:** 1 ms  
[Less Info](#) ^

**Last Run:** 11/3/2023 8:51:54 AM



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# Copy a default definition

Find a similar Definition

Edit the details

Adjust the SQL query

Save Changes


















Download the Defaults

Rename the definition & change references of “birthdate” to “e-mail”

**Edit Validation Definition**

Short Name STU001	Description E-mail missing	Validation Group AERIES_DEMO - Demograph...	
Key Field 1 Student ID	Key Field 2	Link to Page 1 Students.aspx	Link to Page 2 --Select One--
Severity Level --Select One--	Student Related? <input checked="" type="checkbox"/>	User Can Refresh? <input checked="" type="checkbox"/>	Disabled? <input type="checkbox"/>
Start Date		End Date	

Possible Cause

Format  B I U abc                

Missing E-mail



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# Copy a default definition

**TIP: If you're not sure about a field code, use the grid overlay or Database Definitions to help!**

```
Query Definition Test SQL Query
2      stu.sc [SchoolCode],
3      stu.id [Student ID],
4      '' as [Description]
5
6      stu
7      where
8          stu.del = 0
9          and stu.sem = ''
10         and stu.sc = @SchoolCode
11         and stu.id in (@StudentID)
```





# Copy a default definition

Find a similar Definition

Edit the details

Adjust the SQL query

Save Changes

Download the Defaults

You'll no longer see  
AERIES006 on the Definitions  
page, but STU001 has

Filter Options		Apply	Reset
<input type="checkbox"/> Only Active	<input type="checkbox"/> Only Student-Related	Group ID: AERIES_DEMO - Demograph...	Search Text: <input type="text"/>
Validation Definitions		+ Add	
AERIES004 (Edited) - Missing Counselor/Teacher field		▼	
AERIES007 - Missing Birth City		▼	
AERIES008 - Invalid Birth State		▼	
AERIES009 - Invalid Birth Country		▼	
AERIES013 - Missing US School Less than 3 Years Indicator		▼	
AERIES034 - Invalid Student Birthdate		▼	
AERIES043 - Next Grade does not exist in Current School		▼	
AERIES044 - Next Teacher does not exist in Next School		▼	
STU001 - E-mail missing		▼	

# Copy a default definition

Find a similar Definition

Edit the details

Adjust the SQL query

Save Changes

Download the Defaults

Click Add/Update Defaults on the Config page to get AERIES006 back!

The screenshot shows the 'Validation Definitions' page in the Aeries system. The page has a blue header with the title 'Validation Definitions' and an '+ Add' button. Below the header is a list of validation definitions, each with a dropdown arrow on the right. The list includes:

- AERIES004 (Edited) - Missing Counselor/Teacher field
- AERIES006 - Date of Birth missing
- AERIES007 - Missing Birth City
- AERIES008 - Invalid Birth
- AERIES009 - Invalid Birth
- AERIES013 - Missing US
- AERIES034 - Invalid Stu
- AERIES043 - Next Grade
- AERIES044 - Next Teacher does not exist in Next School
- STU001 - E-mail missing

An 'Aeries Defaults' modal is open in the center of the screen. It has a blue header with the title 'Aeries Defaults'. Below the header is a light blue box with an information icon and the text: 'Aeries has a set of sample Validation Definitions to help you get started.' At the bottom right of the modal is a blue button labeled 'Add/Update Defaults'. A blue arrow points from the 'Add/Update Defaults' button to the 'Aeries Defaults' modal.



# Use an Aeries Query

Have an Aeries query that you already run to validate data?

Query

LIST STU ID IF (( GR + 1 )) # NG

Results Have Opened in a New Window ☐ Include Inactive Students

COMMANDS	TABLES	FIELDS	SPECIAL
LIST	STU		? Description
TOTAL	Student Data		STU.NM Full Name
SKIP			STU.MI Middle Initial
KEEP			\ New Line
CHANGE			BARCODE Barcode
			.DAY Day Value
			.MONTH Month Value
			.YEAR Year Value
			.YEARS # Years Ago (Age)
			.VALUE of an Extended Field
			.LEVEL of an Extended Field
			MATH
			(( Start Math
			) Stop Math
			( Open Parenth

Query

LIST STU ID IF (( GR + 1 )) # NG

**SELECT TOP 100000 [STU].[ID] AS [Student ID] FROM (SELECT [STU].\* FROM STU WHERE [STU].DEL = 0) STU WHERE (NOT STU.TG > ' ') AND ( (( [STU].[GR] + 1 )) <> [STU].[NG]) AND [STU].SC = 994 ORDER BY [STU].[LN], [STU].[FN];**

COMPARISON

= Equals

IF

OR AND

( )

Sort By

Reverse

Labels

Letters

Letter Editor

Envelope

Change

Save

Load

Reset

Excel (old)

Show SQL

Db Defs

Click the “Show SQL” button on the Query page to display the SQL equivalent.

This can then be used in a Data Validation Definition with some slight adjustments



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# Recommended Sessions

## Aeries Query

250 – Basics of Query  
255 – Intermediate Query  
265 – Multi-Table Queries  
270 – Advanced Query  
272 - Flex Queries

## SQL Query

940 – SQL Query Basic  
950 - SQL Intermediate Query  
1002 – SQL Query Advanced

## Data Validation

973-2 Advanced Data Validation



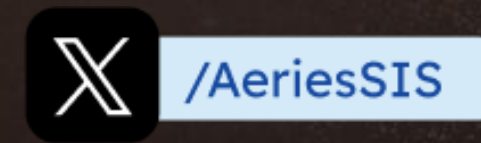
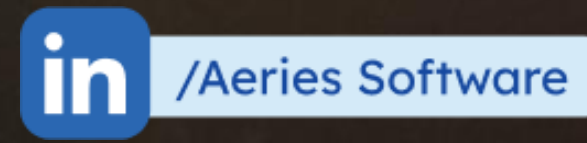
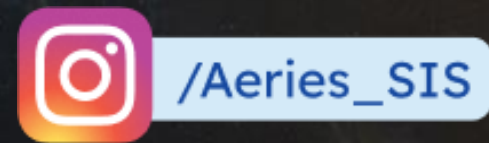
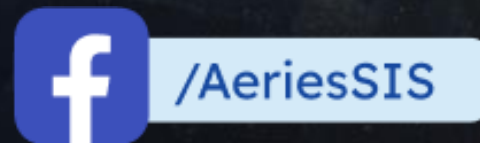
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# THANK YOU!

*Please take a moment to complete our session survey.*

*<http://surveys.aeries.com/s3/AeriesCon-Session-Feedback-Survey-Spring-2024>*



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# Share your Feedback:



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