Verification Summary (State)

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Tool Search: Verification Summary

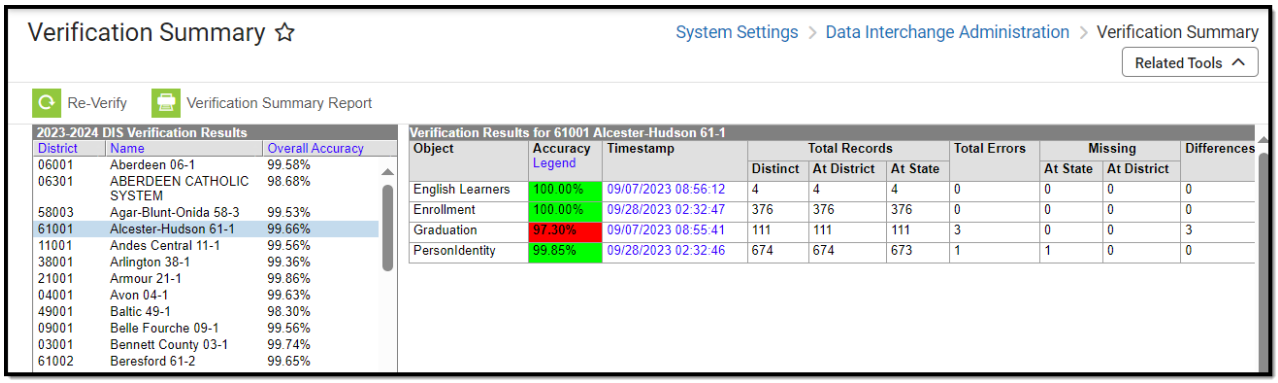
The state-level Verification Summary tool analyzes data synchronization results between district and state-level records. The tool also contains the Generating the Verification Summary Report, which can be used to identify specific data issues.

District-level users should refer to the Verification Summary (District) article.

This tool is only available to district and state-level users connected to an Infinite Campus State Edition product. This page contains features available to state-level users.

This article includes the following topics:

Verifying Data | Analyze Verification Results | Generate the Verification Summary Report | Related Tools



Verification Summary Tool (state level)

The Verification Summary tool provides information on data inconsistencies in the following areas:

- Behavior Records
- Employment Records
- Employment Assignment Records
- Enrollment Records
- Graduation Records
- LEP Records
- Person/Identity Records
- LEP Records
- Test Scores

Infinite Campus recommends using this tool regularly to promote early identification of data inconsistencies between district and state levels, including missing and/or duplicate records. Summaries of existing and potentially erroneous records will be shown for both the district and

state levels. Users may wish to analyze the data returned by this report in conjunction with manually re-syncing data through the Resync State Data (State) tool.

Not all differences shown in the Verification Summary reports are failures. Some data may reflect expected differences.

The database tables which store information related to this tool are the *DISVerificationResult* and the *DISVerificationDifference* tables.

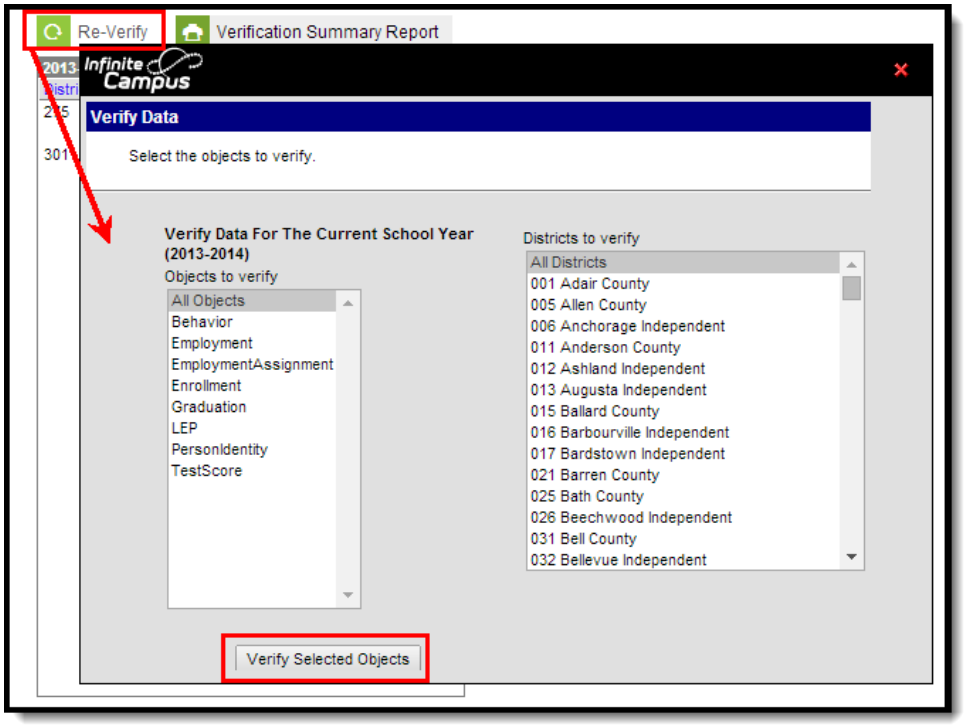
See the Verification Summary Tool Rights article for tool rights information.

Verifying Data

The state may have disabled use of this feature (through the Verification Settings (State) tool).

The Verification Summary tool can be used by a district to identify gaps, duplications and inconsistencies in student and staff data that might exist between the district and state-level databases.

In general, verifications are run on the current school year, though districts/states that sync to multiple school years may have the additional ability to verify data from the previous/next school year.



Verifying Data

For best system performance, Infinite Campus does not recommend selecting a large number of districts at one time. The maximum number of verifications that can be processed simultaneously is limited by the **Maximum Simultaneous Requests** setting of the Verification Settings (State) tool.

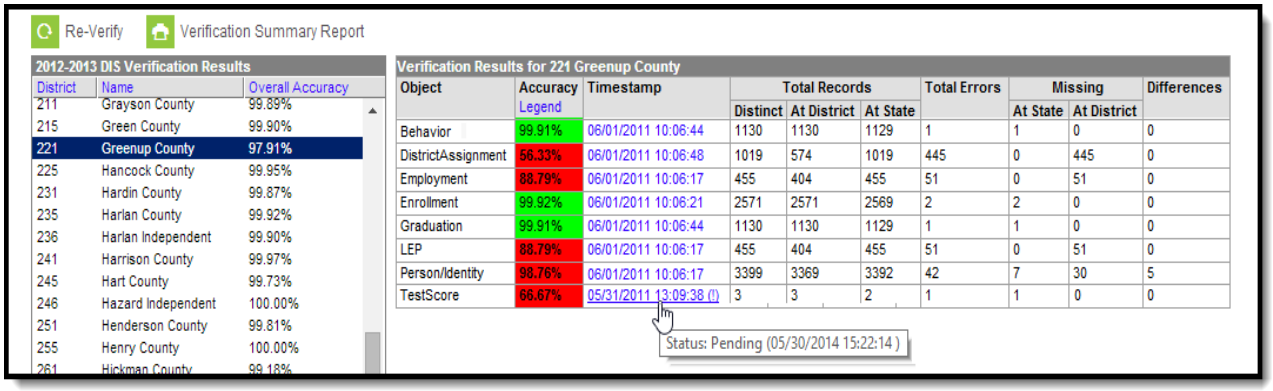
Verify Data for the Current School Year

1. Click the **Re-Verify** icon from the action bar. The Verify Data wizard will appear.
2. Select the **Objects to Verify** (described in the table below).
3. Select which **District**(s) to verify.
4. Click the **Verify Selected Objects** button. The verification process will begin.

Object	Description
All Objects	Verify all objects (see verification manner for each object, below).
Behavior	Verify behavior records exist in both the district and state, checking for differences in the following fields: Behavior Event, Behavior Type, Behavior Resolution Type, Behavior Role, Behavior Resolution, Behavior Incident GUID and the date in which the behavior event occurred.
Employment	Verify that staff district employment records exist in both the district and state, checking for differences in the record's Start Date and/or End Date.

Object	Description
EmploymentAssignment	Verify that staff district assignment records exist in both the district and state, checking for differences in the record's Start Date and/or End Date.
Enrollment	Verify that student enrollment records exist in both the district and state, checking for differences in the following fields: Grade Level, Service Type, Start Date, End Date, Start Status and/or End Status.
Graduation	Verify that student graduation records exist in both the district and state, checking for differences in the following fields: Diploma Date, Diploma Type, Diploma Type (BIE), Date First Entered 9th Grade and/or NCLB Cohort Year. Verification will only check graduation records of students with a high school enrollment in the verified year. For proper reporting of graduation records, all local high school grades must be mapped to a state grade that is matched to a federal NCES grade level of 9, 10, 11 or 12 in the stateGradeLevelDefinitions table.
LEP	Verify student LEP records exist in both the district and state, checking for differences in the following fields: Program Status, Identified, Expected Exit Date, Exit Date, First Year Monitoring, Second Year Monitoring, Parent Notified Date, Parent Declined.
PersonIdentity	Verify that person/identity records exist in both the district and state, checking for differences in the following fields: Last Name, First Name, Middle Name, Gender, Birth Date, SSN, Person GUID, Race/Ethnicity, State ID and/or Staff State ID.
TestScore	Verify test scores of state published tests exist in both the District and State Editions, checking for differences in the following fields: Date, Scale Score, Raw Score and Percentile. Only test scores associated with the verified year will be checked.

Processing time depends on a variety of factors, including bandwidth limitations, state-level settings and pending requests. The **Timestamp** column of the Verification Results table will display a "(!)" after an existing date or an N/A value for the column of the requested verification while the process completes.



Verification Summary Tool (state-level view)

Verification Progress

All verification requests go through four stages: **Pending, Requested, Processing** and **Complete**.

Requests begin in the pending stage, where the Task Scheduler tool is used to throttle the number of verifications run at a time. If the maximum number is reached, the remaining requests are held in the "Pending" status until space opens up. The status moves to "Processing" once the data is received. When all data is received and the request is done, the status is "Complete."

A user may need to manually refresh the tool to see completed results. To refresh results, click the Verification tool in the Index or the Verification Summary tab. Then select the appropriate entry in the DIS Verification Results editor to open the table and review results.

The Verification Summary tool only displays the most current results; it does not log historical results. Therefore, a user may wish to use the Verification Summary Report button to generate a copy of verification data that can be saved for historical purposes.

Verifying Data from the Previous or Next School Year

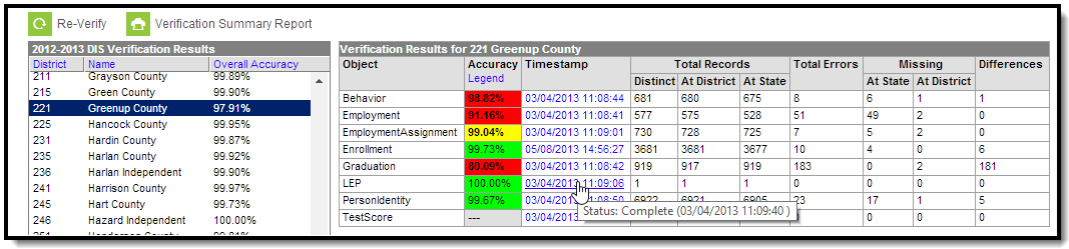
Some states may have the ability to verify data from the previous and/or next school years, if it currently allows syncing of data from multiple school years. The Syncing Data from Multiple School Years page should be reviewed before attempting to verify data from the previous and/or next school year.

If the state allows data to sync from the previous and/or next school year, this tool will allow verification of that data. The user should set the **Year** field of the Campus toolbar to the appropriate year and follow the standard steps for verifying data.

Analyze Verification Results

The Verification Results table displays results of the last verification, regardless of whether it was requested by the district or the state. Results are displayed in a statistical format and include all schools in the district. Select the district name in the DIS Verification Results editor to view the latest set of results.

> Not all differences shown in the Verification Summary reports are failures. Some data may reflect expected differences.



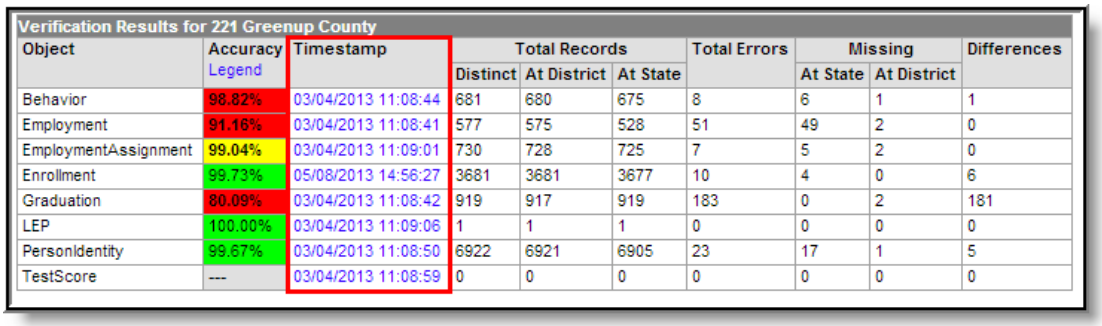
Completion Status of Verification

Hovering the mouse over the link in the **Timestamp** column will indicate the current status of the verification.

> If the verification has been requested and/or is still processing, an exclamation point "(!)" will appear in the **Timestamp** column. Hovering the mouse over it will indicate a status of "Pending" and the date/time the request was initiated.

Reviewing Specific Data Errors

The details of completed verifications are available by selecting a link from the **Timestamp** column of the Verification Results editor.



Verification Results for 221 Greenup County

Object	Accuracy Legend	Timestamp	Total Records			Total Errors	Missing		Differences
			Distinct	At District	At State		At State	At District	
Behavior	98.82%	03/04/2013 11:08:44	681	680	675	8	6	1	1
Employment	91.16%	03/04/2013 11:08:41	577	575	528	51	49	2	0
EmploymentAssignment	99.04%	03/04/2013 11:09:01	730	728	725	7	5	2	0
Enrollment	99.73%	05/08/2013 14:56:27	3681	3681	3677	10	4	0	6
Graduation	80.09%	03/04/2013 11:08:42	919	917	919	183	0	2	181
LEP	100.00%	03/04/2013 11:09:06	1	1	1	0	0	0	0
PersonIdentity	99.67%	03/04/2013 11:08:50	6922	6921	6905	23	17	1	5
TestScore	---	03/04/2013 11:08:59	0	0	0	0	0	0	0

Link to Verification Detail Report

Selecting a hyper-linked time from the Timestamp column will generate a report with summary information and the specific records identified as erroneous. This report is broken into the following three sections.

Header/Syncing Rules

The top of the report describes the logic used to compare existing records between state and district as well as syncing rules to consider when analyzing report data.

0902 Butte School District #1 District
Generated on 10/05/2012 02:57:41 PM Page 1

Enrollment Verification Report
Comparison of District Enrollment Data With State Data
Butte School District #1 Verified: 02/08/2012 10:14

Enrollment Verification Results

The Enrollment Verification will compare all enrollment records existing at the district and state in the school year selected for verification. The Details column of the report may suggest a reason related to record differences.

Enrollment Sync Rules

Local and/or state-level settings may intentionally prevent syncing of certain enrollments. The following criteria can prevent enrollments from syncing:

- Individual Enrollment marked as state exclude
- Grade Level marked as state exclude
- System Preference - Enrollment Overlap Behavior ("Strict Prevent with Syncing" value only)
- System Preference - Accept State Excluded Grade Levels and Enrollments ("No" value only)
- Unmapped State/Regional Grade Levels

The success of Enrollment object syncing depends on the successful syncing of these parent objects:

1. District
2. Reporting Entity*
3. School
4. Calendar
5. ScheduleStructure
6. StructureGradeLevel
7. PersonIdentity

*Localized object, not applicable to all customers

Example of Enrollment Verification Detail Report - Header

District Verification Summary

The District Verification Summary lists the amount of records at district and state, the amount of records missing at both district and state and how many records have field differences when comparing values between district and state for each school in the reporting district.

District Verification Summary

Total	District Count	State Count	Missing At State	Missing At District	With Field Difference
Butte School District #1 - ALL	4174	4172	2	0	0
11-12 Butte High School	1284	1284	0	0	0
11-12 East Middle School	638	638	0	0	0
11-12 Emerson Elementary	378	377	1	0	0
11-12 Hillcrest Elementary	390	390	0	0	0
11-12 Kennedy Elementary	291	291	0	0	0
11-12 Margaret Leary Elementar	313	313	0	0	0
11-12 West Elementary	463	463	0	0	0
11-12 Whittier Elementary	417	416	1	0	0

Example of Enrollment Verification Detail Report - District Verification Summary

School-Level Breakdown of Record Errors

The final section of the report provides a school-by-school breakdown of which records are missing at the district, which records are missing at the state and which records have different values between the state and district (Image 9).

Page 5

Enrollment Verification Report cont.

Comparison of District Enrollment Data With State Data

275 JEFFERSON COUNTY PUBLIC SCHOOLS District
11/30/2012 02:52:35 PM

12-13 Ackerly/Bingham Guidance - Summary

Total District Count	Total State Count	Missing At State	Missing At District	With Field Difference
3	0	3	0	0

12-13 Ackerly/Bingham Guidance - District Records Missing At The State

Student Name	State ID	District Enrollment ID	Start Date	Grade	Start Status	Details
[illegible], Antony Thomas	[illegible]		08/21/2012	06	E01	
[illegible], Anthony Joseph	[illegible]		08/21/2012	05	E01	
[illegible], Ti 'ant Earl	[illegible]		08/21/2012	06	E01	

12-13 Ackerly/Bingham Guidance - State Records Missing at District

Student Name	State ID	District Enrollment ID	Start Date	Grade	Start Status	Details
No Differences						

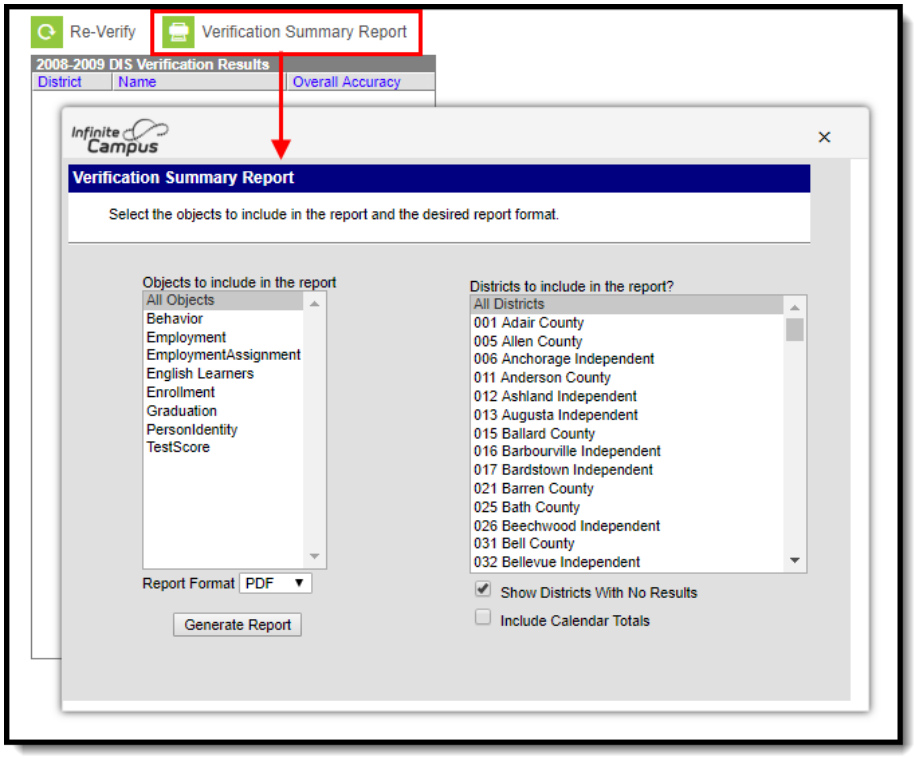
12-13 Ackerly/Bingham Guidance - Records Having Different Values At State

Student Name	State ID	District Enrollment ID	Start Date	Grade	Start Status	Details
No Differences						

Image 8: Example of Enrollment Verification Detail Report - School-Level Breakdown of Record Errors

Generate the Verification Summary Report

The Verification Summary tool does not log historical verification results shown in the Verification Results table. To save verification data for historical purposes, generate the Verification Summary Report.



Generate Verification Summary Report

To ensure that the Verification Summary Report reflects the most current data available, Infinite Campus recommends generating it directly after running a new verification.

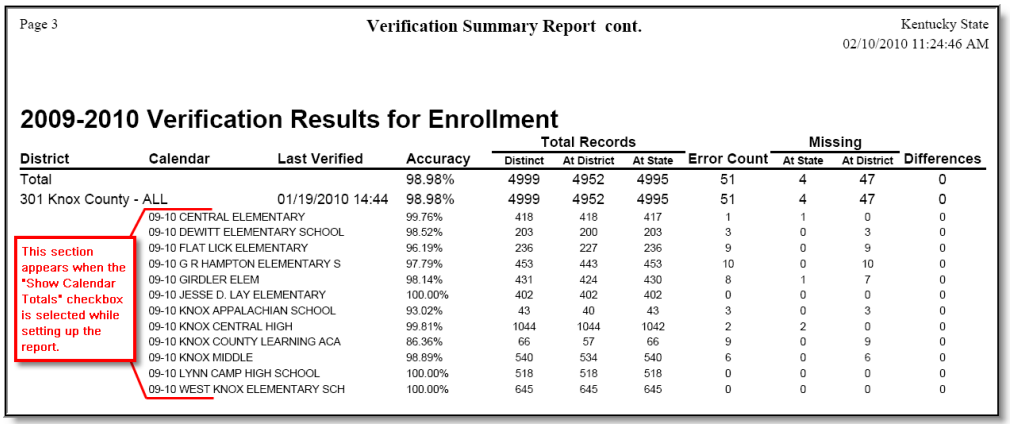
To generate a report with the results of the last verification:

1. Click the **Verification Summary Report** icon located in the action bar. The Verification Summary Report editor will appear.
2. Select the applicable **Objects to Include in the Report** (described in the table below).
3. Select the appropriate style from the **Format** of the report as well as all applicable **Districts to Include in the Report**.
4. Flag the **Show Districts with No Results** checkbox to show the selected districts, even if they have no verification results.
5. Flag the **Include Calendar Totals** checkbox if enrollment results should additionally include a detail section where enrollment totals are shown by the school calendar to which they relate.
6. Once all appropriate options have been selected, click the **Generate Report** button.

Object	Description
All Objects	Verify all objects (see verification manner for each object, below).
Behavior	Verify behavior records exist in both the district and state, checking for differences in the following fields: Behavior Event, Behavior Type, Behavior Resolution Type, Behavior Role, Behavior Resolution, Behavior Incident GUID and the date in which the behavior event occurred.

Object	Description
Employment	Verify that staff district employment records exist in both the district and state, checking for differences in the record's Start Date and/or End Date.
EmploymentAssignment	Verify that staff district assignment records exist in both the district and state, checking for differences in the record's Start Date and/or End Date.
Enrollment	Verify that student enrollment records exist in both the district and state, checking for differences in the following fields: Grade Level, Service Type, Start Date, End Date, Start Status and/or End Status.
Graduation	Verify that student graduation records exist in both the district and state, checking for differences in the following fields: Diploma Date, Diploma Type, Diploma Type (BIE), Date First Entered 9th Grade and/or NCLB Cohort Year. Verification will only check graduation records of students with a high school enrollment in the verified year. For proper reporting of graduation records, all high school grades must be mapped to a state grade that is matched to a federal NCES grade level of 9, 10, 11, or 12 in the stateGradeLevelDefinitions table
LEP	Verify student LEP records exist in both the district and state, checking for differences in the following fields: Program Status, Identified, Expected Exit Date, Exit Date, First Year Monitoring, Second Year Monitoring, Parent Notified Date, Parent Declined.
PersonIdentity	Verify that person/identity records exist in both the district and state, checking for differences in the following fields: Last Name, First Name, Middle Name, Gender, Birth Date, SSN, Person GUID, Race/Ethnicity, State ID and/or Staff State ID.
TestScore	Verify test scores of state published tests exist in both the District and State Editions, checking for differences in the following fields: Date, Scale Score, Raw Score and Percentile. Only test scores associated with the verified year will be checked.

The report will generate a summary of verification results similar to those appearing in the Verification Results editor. For example, the Enrollments page of the report might look like this (PDF example):



Page 3 Verification Summary Report cont. Kentucky State 02/10/2010 11:24:46 AM

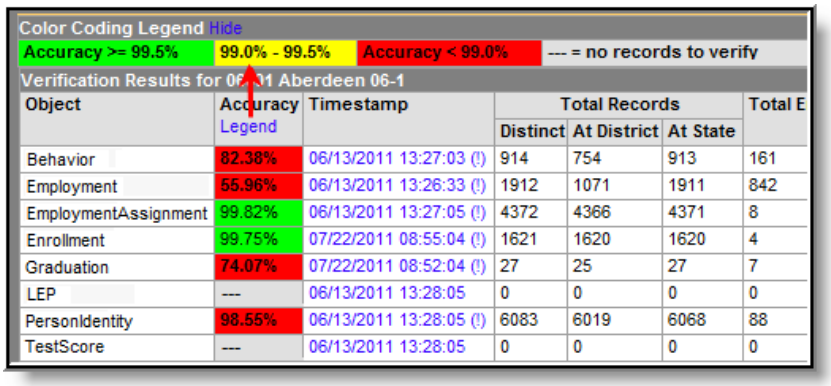
2009-2010 Verification Results for Enrollment

District	Calendar	Last Verified	Accuracy	Total Records			Error Count	Missing		Differences
				Distinct	At District	At State		At State	At District	
Total			98.98%	4999	4952	4995	51	4	47	0
301 Knox County - ALL		01/19/2010 14:44	98.98%	4999	4952	4995	51	4	47	0
	09-10 CENTRAL ELEMENTARY		99.76%	418	418	417	1	1	0	0
	09-10 DEWITT ELEMENTARY SCHOOL		98.52%	203	200	203	3	0	3	0
	09-10 FLAT LICK ELEMENTARY		96.19%	236	227	236	9	0	9	0
	09-10 G R HAMPTON ELEMENTARY S		97.79%	453	443	453	10	0	10	0
	09-10 GIRDLER ELEM		98.14%	431	424	430	8	1	7	0
	09-10 JESSE D. LAY ELEMENTARY		100.00%	402	402	402	0	0	0	0
	09-10 KNOX APPALACHIAN SCHOOL		93.02%	43	40	43	3	0	3	0
	09-10 KNOX CENTRAL HIGH		99.81%	1044	1044	1042	2	2	0	0
	09-10 KNOX COUNTY LEARNING ACA		86.36%	66	57	66	9	0	9	0
	09-10 KNOX MIDDLE		98.89%	540	534	540	6	0	6	0
	09-10 LYNN CAMP HIGH SCHOOL		100.00%	518	518	518	0	0	0	0
	09-10 WEST KNOX ELEMENTARY SCH		100.00%	645	645	645	0	0	0	0

Verification Summary Report (enrollments example)

Verification Results Table Fields

The following information is available on columns within the Verification Results table.

Column	Summary of Data
Object	The type of data object analyzed.
Accuracy	The percentage of accuracy of the verification results. Clicking on the **Legend** link will display the key related to color-coding used in this column. Not all differences shown in the Verification Summary reports are failures. Some data may reflect expected differences.  Color Coding Legend Hide Accuracy >= 99.5% | 99.0% - 99.5% | Accuracy < 99.0% | --- = no records to verify Verification Results for 06/01 Aberdeen 06-1 Legend | Object | Accuracy | Timestamp | Total Records: Distinct | At District | At State | Total E | | Behavior | 82.38% | 06/13/2011 13:27:03 (!) | 914 | 754 | 913 | 161 | | Employment | 55.96% | 06/13/2011 13:26:33 (!) | 1912 | 1071 | 1911 | 842 | | EmploymentAssignment | 99.82% | 06/13/2011 13:27:05 (!) | 4372 | 4366 | 4371 | 8 | | Enrollment | 99.75% | 07/22/2011 08:55:04 (!) | 1621 | 1620 | 1620 | 4 | | Graduation | 74.07% | 07/22/2011 08:52:04 (!) | 27 | 25 | 27 | 7 | | LEP | --- | 06/13/2011 13:28:05 | 0 | 0 | 0 | 0 | | PersonIdentity | 98.55% | 06/13/2011 13:28:05 (!) | 6083 | 6019 | 6068 | 88 | | TestScore | --- | 06/13/2011 13:28:05 | 0 | 0 | 0 | 0 | *Verification Accuracy Legend* • **Green -** Accuracy rate is in the range of 99.5 - 100% • **Yellow -** Accuracy rate is in the range of 99 - 99.4% • **Red -** Accuracy rate is in the range of 0 - 99% • **Gray -** No records to verify for the object The accuracy value is derived from the following calculation and is expressed as a percentage: **(Distinct Records - Total Errors) / Distinct Records = Accuracy %**

Column	Summary of Data
Timestamp	The date and time at which the verification last ran at either the district or state-level. Results always reflect the most recent generation. Clicking on the timestamp link will generate a PDF report of the verification results for the selected object.
(Total Records) **Distinct**	This column is a sum of the total number of records currently existing at the district, plus the total number of missing records that should exist at the district. **Total Records: At District + Missing: At District = Distinct**
(Total Records) **At District**	This column is the total number of records currently existing at the district level.
(Total Records) **At State**	This column is the total number of records currently existing at the state level.
Total Errors	This column is the sum of all missing records and differences. **Missing: At State + Missing: At District + Differences = Total Errors**
(Missing) **At State**	The total number of district-level records that do not exist at the state.
(Missing) **At District**	The total number of state-level records (related to the district) that do not exist at the district.
Differences	This is a count of the records existing at the district and the state where values in a key field differ. It is expressed as a total number of missing records subtracted from the total number of errors. **Total Errors -** (**Missing: At State** + **Missing: At District**) = **Differences**

Related Tools

Users may wish to analyze the data returned by this report in conjunction with the manual resync process of the Resync State Data tool.

District-level users may wish to view the Verification Summary (District) information.