



## NERIC Dataflow

### Description of service

The NERIC Dataflow application is an automated solution to provide efficiency, accuracy and productivity for the movement of demographic and enrollment data into the data warehouse. NERIC Dataflow generates a data warehouse process check routine error log nightly and places it on school districts SharePoint site. Users have the option to choose whether to receive the reports or receive the reports and upload the data file to level 0 nightly. The user will then be responsible for modifying the data in their source with the goal to eliminate as many errors before submission as possible.

### Districts Responsibility

To begin the process the District will be required to go to register online and complete the requested information. Samples of the questions are below.

|   |  |
|---|--|
| Please write your responses in the space provided (ALL DISTRICTS).                                    |  |
| 1. Do you have a SharePoint account?  |  |
| 2. Who will be the NERIC contact in case of technical issues (name, email address, and phone number)? |  |
| 3. Please provide CEO name and contact information.   |  |
| 4. Do you want the NERIC to populate Level 0 overnight?   |  |
| 5. Do you want to receive the Error Reports only and not upload to level 0?                           |  |
| Please write your responses in the space provided. (District Hosted SIS ONLY)                         |  |
| 1. What is the IP address of the SchoolTool database server?  |  |
| 2. What is the name of the SchoolTool server?   |  |
| 3. Your server will need outbound access. Did you create outbound access?                             |  |
| 4. Port 22 will need to be open for traffic. Is Port 22 open for traffic?                             |  |

**Note:** If you choose to have the NERIC populate Level 0 nightly, no manual changes will be done in Level 0. The district must make necessary changes in their Student Information System or other source systems. Districts opt to have just the reports or records "written" to L0. **Districts are still responsible to push the data to L1.**

You will also be asked to complete a Program Services Form: “ProgServ Codes Source Data” to select the source for each of the program fact codes. These are located in your SharePoint > Dataflow subfolder. You need to verify that it is setup correctly at the beginning of each school year. You will be notified by someone on the DW Team if any questions arise.

Once the online form and the program service form has been completed and submitted, the setup process may take up to 10 business days to complete if you are new to the process, but setup is typically much sooner.

### Output in SharePoint Folder

The screenshot shows a SharePoint interface for the 'NERIC Reports' section. The main area displays a folder named 'dataflow' containing a list of files. A legend box on the right side of the file list provides the following definitions:

- ST = SchoolTool
- ES = eSchoolData
- PS= PowerSchool
- NK= NutriKids
- CT= Clear Track
- IE= IEP Direct

NDF services are currently provided for the following templates:

Demographics (Student Lite)

Enrollment (Entry/Exit)

Program (Fact) Services - as selected by district -

NutriKids – Lunch codes

IEP Direct or ClearTrack – Special Ed codes

SchoolTool, eSD, or PowerSchool specified codes

Course

Class Grade Detail

Staff/Course/Roster and Staff/Course/Evaluation

Staff Snapshot (on hold until 14-15 template and Staff Tenure changes are implemented; tbd).

Below is a screen shot of the archived files that your District will see in their SharePoint > Dataflow folder. These can be used for reference if desired.



All versions of this document are listed below with the new value of any changed properties.

| No. ↓ | Modified                        | Modified By | Size    |
|-------|---------------------------------|-------------|---------|
| 0.6   | 11/10/2014 9:45 AM              | Biz Talk    | 21 KB   |
|       | Modified Time 09:45:08          |             |         |
| 0.5   | 11/10/2014 9:35 AM              | Biz Talk    | 21 KB   |
|       | Modified Time 09:35:02          |             |         |
| 0.4   | 10/21/2014 11:55 AM             | Biz Talk    | 19.5 KB |
|       | Modified Time 11:55:54          |             |         |
| 0.3   | 10/21/2014 10:26 AM             | Biz Talk    | 19.5 KB |
|       | Modified Time 10:26:36          |             |         |
| 0.2   | 10/21/2014 9:50 AM              | Biz Talk    | 19.5 KB |
|       | Modified Time 09:50:18          |             |         |
| 0.1   | 10/21/2014 9:22 AM              | Biz Talk    | 19.5 KB |
|       | Modified Time 09:22:00          |             |         |
|       | Content Type NERIC Testing Rpts |             |         |

### Sample screen shots of the report structure of the individual files.

#### Demographic File

Errors and Warning will NOT write the record!

| Student ID | Student Name | Rule Name/Description  | GPS  | Data Field Value |
|------------|--------------|--|--|------------------|
| 1          | 000010193    | DM1092 - Grade9EntryDate Missing<br>Grade 9 entry date should not be blank for grade ordinal 9th, 10th, 11th, 12th, or GED | Student > State/Province-NY > Click Demographics (Student Lite)-For 20XX-20XX School Years and Beyond > 26. Date of Entry Into Grade 9 (Fill in correct date). | [BLANK]          |
| 2          | 000009288    | DM1092 - Grade9EntryDate Missing<br>Grade 9 entry date should not be blank for grade ordinal 9th, 10th, 11th, 12th, or GED | Student > State/Province-NY > Click Demographics (Student Lite)-For 20XX-20XX School Years and Beyond > 26. Date of Entry Into Grade 9 (Fill in correct date). | [BLANK]          |

|   |   |   |  |  |
|---|---|---|--|--|
| Record Count and Error, Warning, or Message symbol. | These field names may differ depending on the report type... (e.g. Course, Course Name) | LO Validation Error number and explanation of the error. Also see validation handout for additional help. <b>Error's starting with 9000 are NERIC internal rules.</b> | Instructions on how to fix the error in your source. | Value or the data in the field that is generating the error. |
|---|---|---|--|--|

# Enrollment File

## NERIC Data Warehouse Validation

Template: EnrollmentEnterExit  
 District:   
 School Year: 2015-06-30

**Test Results**  
 2150 Total Records, 2138 Records Updated  
 13 Errors    1 Warnings    0 Messages

| Validation Errors |            |              |  |  |                  |
|-------------------|------------|--------------|--|--|------------------|
|                   | Student ID | Student Name | Rule Name/Description  | GPS  | Data Field Value |
| 1                 | 000016561  | Student Name | EE2011 - GradeLevelCode LookUp Missing or Invalid Grade Code   | Census > SELECT STUDENT > Student > Select "enrollment" from drop down > "Edit" paper icon > ensure correct grade level.   | GED              |
| 2                 | 000017032  | Student Name | EE2046 - An 8305 exit code can only be used with a 4034 entry code. A state exit code 8305 requires a 5905 state entry code.   | Census > SELECT STUDENT > STUDENT > Select "enrollment" from drop down > "Edit" paper icon > If student has 8305 exit code without a preceding 5905 entry enrollment, correct the entry code to type 5905. | 0011             |
| 3                 | 000018214  | Student Name | EE2051 - v9.0 WF: A state exit code 8316 requires a corresponding 8294 or 0033 state entry code. An exit code of 8316 is only valid if the preceding entry code is 8294 or 0033. | Census > SELECT STUDENT > STUDENT > Select "enrollment" from drop down > "Edit" paper icon > If student has 8316 exit code without a preceding 8294 entry enrollment, correct the entry                    | 0011             |

## Program Service

Several sources may be used; this is from the Student Information (Management) System.

Template: ProgramServices\_SIS  
 District: \_\_\_\_\_  
 School Year: 2015-06-30

**Test Results**  
 26 Total Records, 5 Records Updated  
 41 Errors    0 Warnings    0 Messages

| Validation Errors |            |              |  |  |                  |
|-------------------|------------|--------------|--|--|------------------|
|                   | Student ID | Student Name | Rule Name/Description  | GPS  | Data Field Value |
| 1                 | 000010392  | Student Name | PS3020 - v7.0 Exit Reason1 Code - Invalid for 0231 LEP with an end date ExitCode1 must be 849 for ended 0231 LEP records | Census > SELECT STUDENT > select LEP/ELL from the drop-down menu > select appropriate exit reason. | [BLANK]          |
| 2                 | 000010392  | Student Name | PS3012 - EndDate LEP_EndDateWrong v3.01 LEP Eligibility ending date must be 06/30 of the selected school year            | Census > SELECT STUDENT > select LEP/ELL from the drop-down menu > correct date.                   | 6/30/2014        |
| 3                 | 000010392  | Student Name | PS3020 - v7.0 Exit Reason1 Code - Empty for 0231 LEP with an end date ExitCode1 must be 849 for ended 0231 LEP records   | Census > SELECT STUDENT > select LEP/ELL from the drop-down menu > select appropriate exit reason. | 0231             |
| 4                 | 000010392  | Student Name | PS3008 - EndDate Length Incorrect length for Ending Date   | Census > SELECT STUDENT > select desired program service from the drop-down menu > correct date.   | 6/30/2014        |

There may be more than one error record for the same student.

**Sample of Program Fact (Service) SIS Message for Selected Code**

| NERIC Data Warehouse Validation |   |           |  |  |  |      |
|---------------------------------|---|-----------|--|--|--|------|
| 12                              | ✖ | 000018159 |  | District indicated source other than SIS ProgramsCode is a SpecEd Code |  | 0385 |

Once you have begun using NERIC Dataflow and experience an issue, please contact the DW helpdesk 518-862-5409 for assistance.