Ohio Department of Education

EMIS-R Validations and Manifests

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Overview

• Do you need to know this…
• Validation tables
• Validation specifications
• Manifest coding
• Level 1 reports
Do you need to know this…

- Not really- most reporting entities will be just fine with level 1 reports only
- Advanced session- will delve into the “guts” of how the level 1 checks work
- Useful for advanced trouble-shooting
- More materials will be posted on ODE EMIS pages- full specs
- Count those who truly understand this on both hands, but hope to grow
Validation tables

- Drivers for many of the level 1 checks
- Previously distributed by SSDT to ITCs
- Now integrated into the system
  - A change made at ODE usually appears at each ITC within minutes - overnight at most
  - Ability to check if tables are up to date
    - If not up to date, start with “synchronize”
    - If do a “reset” of a large table, can create strange validation results for all, potentially for hours…
Validation tables

Validation tables are used for Level 1 validation during report preparation.

<table>
<thead>
<tr>
<th>Table Name</th>
<th>Last Updated</th>
<th>Version</th>
<th>Status</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF_ORG_TYPE</td>
<td>9/18/2009</td>
<td>34</td>
<td>✔️</td>
<td>Synchronize</td>
</tr>
<tr>
<td>REF_STATE_STAFF_ID</td>
<td>4/23/2011</td>
<td>2113243</td>
<td>✔️</td>
<td>Synchronize</td>
</tr>
<tr>
<td>REF_EMIS_ELMNT</td>
<td>12/7/2010</td>
<td>44762</td>
<td>✔️</td>
<td>Synchronize</td>
</tr>
<tr>
<td>REF_ORG_CAL</td>
<td>12/14/2010</td>
<td>32688</td>
<td>✔️</td>
<td>Synchronize</td>
</tr>
<tr>
<td>REF_STATE_STDNT_ID</td>
<td>11/19/2009</td>
<td>1053672</td>
<td>✔️</td>
<td>Synchronize</td>
</tr>
<tr>
<td>REF_EMIS_OPTION</td>
<td>3/3/2011</td>
<td>84563</td>
<td>✔️</td>
<td>Synchronize</td>
</tr>
<tr>
<td>REF_DIST_BLDG</td>
<td>4/20/2010</td>
<td>94934</td>
<td>✔️</td>
<td>Synchronize</td>
</tr>
<tr>
<td>REF_ASESMT_VALID_COMBIN</td>
<td>12/7/2010</td>
<td>82356</td>
<td>✔️</td>
<td>Synchronize</td>
</tr>
<tr>
<td>REF_FS_VALID_COMBIN</td>
<td>12/7/2010</td>
<td>2982</td>
<td>✔️</td>
<td>Synchronize</td>
</tr>
<tr>
<td>REF_COURSE_VALID_COMBIN</td>
<td>11/3/2010</td>
<td>29584</td>
<td>✔️</td>
<td>Synchronize</td>
</tr>
</tbody>
</table>

Refresh | Synchronize All Tables | Reset All Tables
Validation tables

- If appropriate, fairly up to date versions of most tables will be posted as a CSV file on a future EMIS-R technical page
- Future enhancement is to create tables that have data specific to an ITC
- Tables are stored in the database schema for the Data Collector at each ITC.
  - Two copies- main table that includes all rows, and a view that only includes the active rows
Validation tables

• Three elements appear on most tables
  – Manifest Code
  – Active Flag
  – Update Version Number

• Quick review of tables as they exist today
Validation specifications

- Psuedocode in a Word document
- Primarily by record type
- Will be posted on the EMIS-R technical page
- Knowledge of SQL or other logical comparison language will be helpful
- Error code in Level 1 report will map to a specific error specification
Manifest coding

• All else fails, it is possible that there is an error with a check in the Manifest
• Manifest is essentially a series of SQL statements that reformat and run validation checks against data
• Manifest not likely to be posted outside the system, but would be included in the log file at each ITC depending on settings
Level 1 reports

- Some differences between html and CSV versions
Level 1 reports

In CSV previews the directly invalid records have “No” as the value in the Record Is Valid column. Records that are invalid because of a dependency have “Dep” in this same column. (Personal data has been removed from this screenshot for security purposes.)
Q & A