
Ohio Department of Education

EMIS-R Validations and Manifests

Presented by:
David Ehle, Director
Office of Information Policy & Management
Ohio Department of Education
May 2, 2011

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

The screenshot shows the SIFWORKS VNF Data Collector interface. At the top, there are navigation tabs: Collection Requests, Collection Status, Submissions, Progress, Data Sources, Agencies, and Settings (which is highlighted). Below the tabs, the page title is "Validation Tables".

Validation Tables

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

[Refresh](#)

Table Name	Last Updated	Version	Status	Action
REF_ORG_TYPE	9/18/2009	34	✓	Synchronize Reset
REF_STATE_STAFF_ID	4/23/2011	2113243	✓	Synchronize Reset
REF_EMIS_ELMNT	12/7/2010	44762	✓	Synchronize Reset
REF_ORG_CAL	12/14/2010	32688	✓	Synchronize Reset
REF_STATE_STDNT_ID	11/19/2009	10538672	✓	Synchronize Reset
REF_EMIS_OPTION	3/3/2011	84563	✓	Synchronize Reset
REF_DIST_BLDG	4/20/2010	94934	✓	Synchronize Reset
REF_ASESMNT_VALID_COMBIN	12/7/2010	82356	✓	Synchronize Reset
REF_FS_VALID_COMBIN	12/7/2010	2982	✓	Synchronize Reset
REF_COURSE_VALID_COMBIN	11/3/2010	29584	✓	Synchronize Reset

[Refresh](#) | [Synchronize All Tables](#) | [Reset All Tables](#)

Report Submitters

- [Manage Report Submitters](#)
- [Email Recipients](#)

Global Settings

- [Authentication Management](#)
- [Database Server](#)
- [Log Settings](#)
- [Email Server](#)
- [SIF Settings](#)
- [Environment Variables](#)
- [Validation Tables](#)

Local intranet | Protected Mode: Off | 100%

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

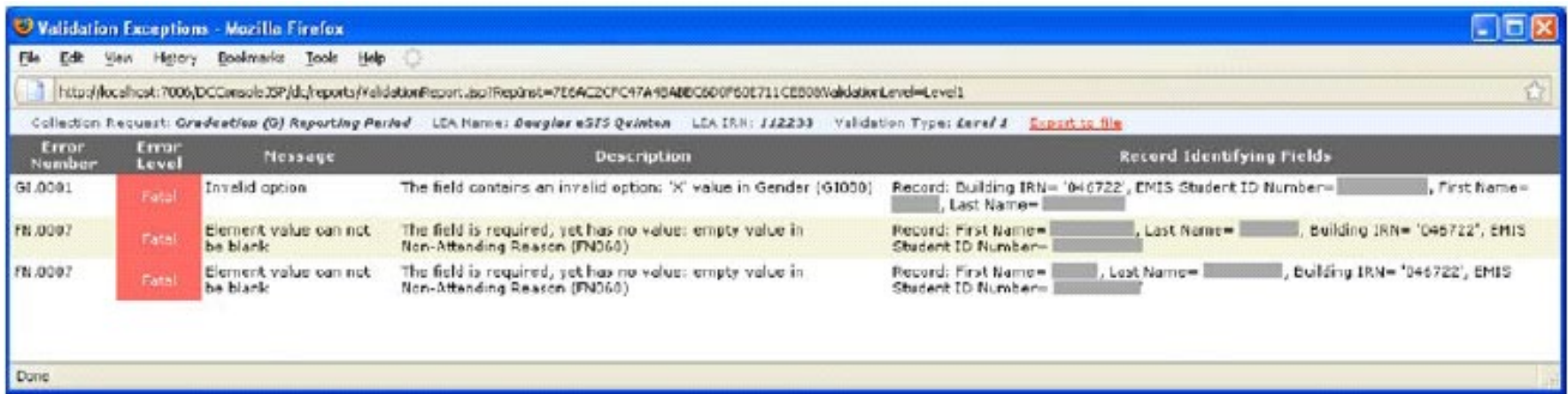
- Psuedocode in a Word document
- Primarily by record type
- Will be posted on the EMIS-R technical page
- Knowledge of SQL or other logical comparison language will be helpful
- Error code in Level 1 report will map to a specific error specification

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



Validation Exceptions - Mozilla Firefox

http://localhost:7000/DCConsoleJSP/dlc/reports/validationReport.jsp?RepInst=7E6AC2CFC97A9B4B0C600F60E711CEB08&ValidationLevel=Level1

Collection Request: *Gradebook (G) Reporting Period* LEA Name: *Douglas eSTS Quinton* LEA IRN: *112233* Validation Type: *Level 1* [Export to file](#)

Error Number	Error Level	Message	Description	Record Identifying Fields
GI.0091	Fatal	Invalid option	The field contains an invalid option: 'X' value in Gender (GI000)	Record: Building IRN= '046722', EMIS Student ID Number= [REDACTED], First Name= [REDACTED], Last Name= [REDACTED]
FN.0097	Fatal	Element value can not be blank	The field is required, yet has no value: empty value in Non-Attending Reason (FN060)	Record: First Name= [REDACTED], Last Name= [REDACTED], Building IRN= '046722', EMIS Student ID Number= [REDACTED]
FN.0097	Fatal	Element value can not be blank	The field is required, yet has no value: empty value in Non-Attending Reason (FN060)	Record: First Name= [REDACTED], Last Name= [REDACTED], Building IRN= '046722', EMIS Student ID Number= [REDACTED]

Done

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.)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q			
1	Fiscal Year	Repor	District	II	Building	EMIS	Student	Last Name	First Name	State	Stude	Non- ²	Retair	Diplor	Fiscal	Yea	CORE	CORE	Exemp	Record Is Valid
634	2010	K										0000	Y	Y	N	No				
635	2010	K													N	Yes				
636	2010	K													N	Yes				
637	2010	K													N	Yes				
638	2010	K													N	Yes				
639	2010	K													N	Dep				
640	2010	K										2007	Y	Y	N	Yes				

Q & A

