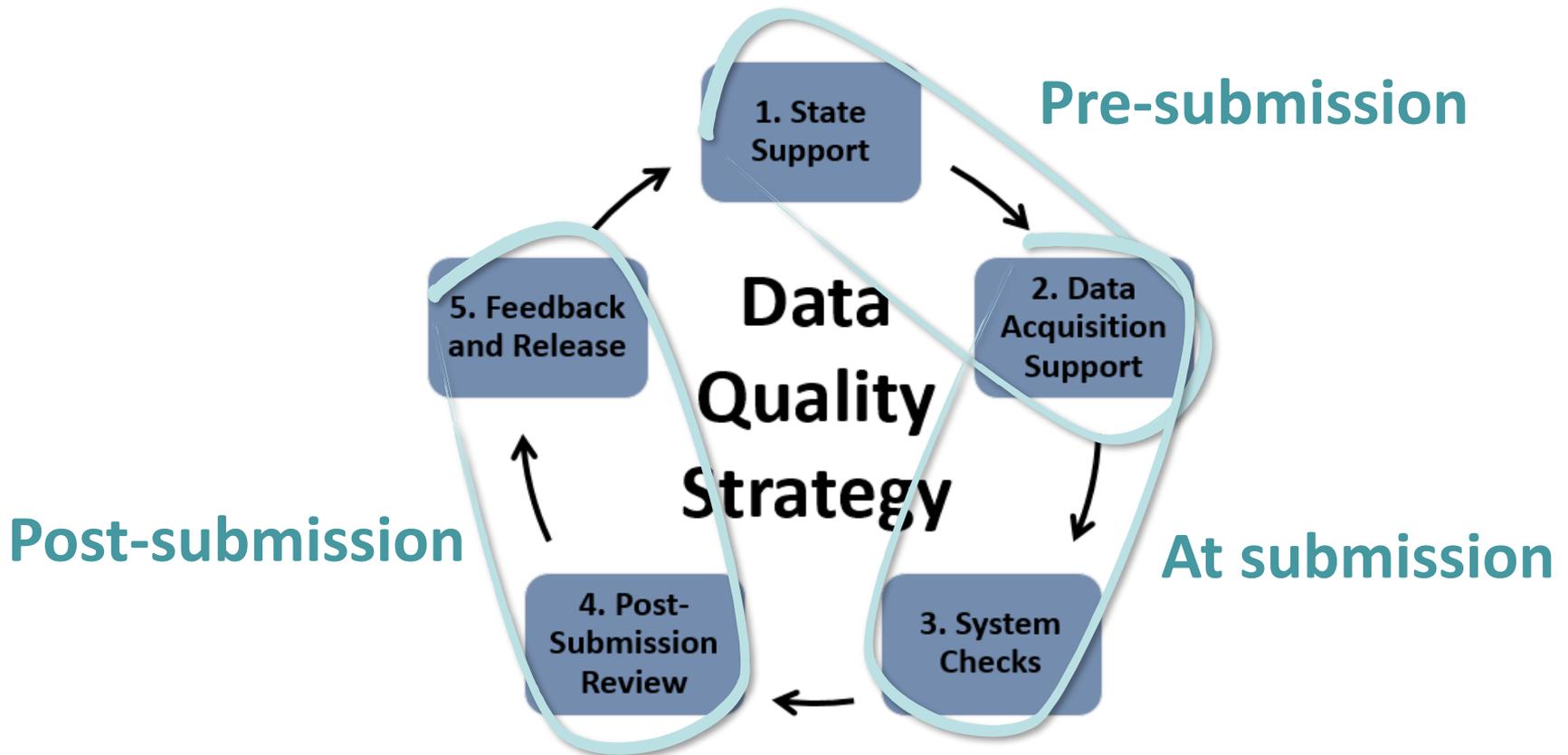


NCES Forum Technology Committee

Summary

- *EDFacts* data quality process
- Examples of technology used for data quality
- Errors
 - Automatic error generation built into data submission and data management systems
 - Post-submission data quality work
- Discussion

EDFacts Data Quality Process



Examples of technology used for data quality

- **EDFacts Submission System (ESS) at submission**
 - Validation errors prevent erroneous submissions
- **Top 3 validation errors** 

Error ID	Percent of all errors	Error comment to state
ER-91	39%	Operational status of EU is 2 (Closed), 6 (Inactive), or 7 (Future), therefore data submission is not allowed. Ensure that the data are being submitted for the correct Educational Unit.
ER-12	19%	The State Agency Number in a submission file cannot be found in the EDEN data base. Ensure that the State Agency Number for the FIPS State Code being submitted is correct.
ER-56	12%	A "Y" or "N" was not reported for the Total Indicator column in a metric (count) file. Provide an "N" if the count field is a detail level count and a "Y" if the count field is either a subtotal or grand total.

Errors – Automatic via ESS and DMS

ESS

- Format and validation edits – stop processing
- Submission edits and warnings – Submission error report lists issues
- Download report

Data Management System (DMS)

- Used for all CCD follow-up
- On-line tool; Updates nightly to accommodate resubmissions
- Error comments can be carried forward from prior years

Errors - Post-submission data quality efforts

Excel and additional hands-on review; close review of submission notes provided with the files

Follow-up to understand data anomalies

- Resubmissions to correct issues
- Explanations that are used in state notes with file releases

Final releases include detailed state notes

ED*Facts* Data Quality Enhancements on the horizon

- Reviewing post-submission edits for inclusion in ESS
- Gun-free School Act (GFSA) DMS pilot for SY 2017-18 data
- Single inventory for business rules
- Data quality repository to aggregate post-submission edits and state comments

Discussion