SUS Data System

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Board of Governors Data Coordination Process

• **What is a Data Administrator?**
  – Requires an Official Appointment from University President
    • Regulation 3.007(2) Each University President shall appoint an Institutional Data Administrator to certify and manage the submission of data to the SUS management information system.
  – Internal Review Processes and Resources
    • Regulation 3.007(5)(b) submit a signed certification which includes the following statement “I certify that this file/data represents the position of this University for the term being reported.” Electronic certification via a secure method approved by the IRM office can substitute for the signed certification referenced above.
Local Data Validation

- 12 Local Data Systems
  - Developed Internally
  - 3rd Party
    - PeopleSoft
    - Banner
    - Workday

- Different Lifecycles
- Customizations Based upon Local Needs
- ETL ???
Extraction, Transformation, and Loading

- Each University must ‘Extract’ Data from their local systems for submission to the Board Office
  - The Board collects ‘Unit Record Data’!
- Transformation – For consistency the Board has common definitions that ‘sometimes’ require an institutions to transform their local data.
  - 420 Elements, 57 annual reoccurring submissions!
- Load – Once transformed this data is securely transmitted to the Board office where it undergoes a review process
  - Currently our live database has approximately 3.5 million distinct student/staff records with over 140 million associated records! (i.e. course, rooms, financial aid, degrees, admissions, budget)
Data Integrity Process

Data loaded by University

Each Record goes through edit process

Data Integrity Errors

Yes

No

Resubmission Required

Submission Summary

Submission Reports

University Review

University Explanation of Level 9 Items

Data Review
Phase I Review

Phase II Review

Research Group

Level 9 Requires Explanation Accepted

Resubmission

Submission Summary

Analysis of Data Against Prior Year to Identify Anomalies

Issues Identified

Further Explanation From University

Loaded Into Production Database

Yes

No

Yes

No
Question of Resubmissions

• **Quality vs. Consistency**
  – Resubmission Policy
    • Currently the Board has an open resubmission policy for any and all historic data
    • Full resubmission of each collection required for record corrections
      – Current System Design
      – Batch vs. Interactive
      – Cross edits and affect on system values
  – Locked data (underlying data is not locked but result sets are)
    • IPEDS
    • Budgetary
Conclusion

• **Summary**
  – Institutional Data Administrators
  – Local System and ETL
  – Data Integrity Process
  – Data Validation Process
    • Multilayered Reviews
  – Quality is our Goal

• **Questions**