

Statewide Directions for Student Information Systems

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September 29, 2004

Introduction

- **moving to a statewide student information system**
- **student performance data**
- **what a statewide system can do for you**
- **role of the RICs**
- **disclaimers**
 - ◆ conceptual, not technical
 - ◆ ongoing policy development

The Current State

In a standards-based environment, we need to:

- **collect data**
- **analyze**
- **plan and report**
- **analyze again**
- **improve practice**
- **analyze again**
- **be mindful of costs**

What do we need in order to do this?

- **an orderly process**
- **a statewide system**
- **clear rules**
- **clear roles**
- **financial assistance**
- **sufficient resources**

(people, technology, infrastructure, funding)

The Role of SED (part 1)

Close gaps in student achievement

- foster the development of a statewide system of student information
- meet federal and State reporting requirements
- ensure resources are provided efficiently and effectively
- set standards, reduce redundancy
- advocate for funding

The Role of SED (part 2)

- **facilitate cooperation and coordination**
- **ensure equity**
- **focus on outcomes**
- **highlight best practices**
- **provide a planning infrastructure**
- **integrate educational technology with other State functions**

Elements of a Statewide Student Information System

- **unique student identifier**
- **reporting requirements**
- **statewide data standards**
- **statewide data repository**
- **technical services for LEAs**
- **analysis support for instruction**
- **instructional resources and staff development**
- **coordination between elements**

Unique Student Identifier

- **purpose: numbering system – ensures every child is counted and enables longitudinal, disaggregated data**
- **ID will be available for 2004-05**
- **can be used to track students**
- **will enhance student data reporting**
- **will improve data quality**

Reporting Requirements

- **purpose: meet obligations, reduce redundancy**
- **NCLB accountability**
- **must comply with State accountability systems**
- **goal of simplifying data submission**

Statewide Data Repository

- **purpose: meet requirements**
- **e-Scholar (State standard for data warehouse)**
- **databases (local)**
- **warehouses (regional)**
- **repository (statewide)**
- **will provide the State with required information**
- **the same data items can be used for multiple purposes**

Technical Support for LEAs

- **purpose: reduce burden on districts**
- **ensure quality data and system integration**
- **need networked infrastructure**
- **RIC support for moving data from data management system to warehouse**
- **technical assistance will be available to meet data requirements**
- **improve quality, enhance staff expertise**

Analysis Support for Instruction

- **purpose: improve instruction**
- **generate user-friendly reports**
- **provide a series of standard analyses (e.g., reports sent to districts that participated in the January Math A field test)**
- **additional analyses available on request, with additional costs**
- **professional development for using data**

Instructional Resources and Staff Development

- **purpose: improve instruction**
- **Virtual Learning System (VLS)**
 - ◆ all standards in one place
 - ◆ emphasis on best practices
- **centralized place - eliminates involved searching and researching**
- **authentication and authorization**

How could/would/will it work?

- **district gives exam and scores locally (i.e., Regents)**
- **Results extracted by RIC from district data management system**
- **RIC sends data to regional and State repositories**
- **District gets State-provided analyses from the regional repository**

How could/would/will it work? (cont'd)

- Different process for CTB tests
- Data file with scores gets loaded directly into State repository; simultaneously available to the RICs to load in local data warehouses
- RICs distribute data to districts

How could/would/will it work? (cont'd)

- **VLS provides resources for staff development and instruction**
- **instruction is improved; retest results follow the same routes**
- **faster turnaround of test results will enhance instruction and student performance**

Role of RICs (part 1)

- **core partners with SED and districts to manage the process**
- **foster regional planning in support of statewide directions (793 plan process)**
- **provide statewide coordination (RIC directors)**
- **construct warehouses**
- **apply for E-rate funding on behalf of districts**

Role of RICs (part 2)

- **create coordination**
- **support management applications**
- financial, cafeteria, etc.
- **assure development of, and compliance with, regional standards**
- **convene districts for regional planning**

Ongoing Issues

- **determining the line between standardization and local autonomy, e.g., statewide purchase of software**
- **cost effectiveness, e.g., balance between costs and local assistance in data warehouses**
- **determining the line between instructional and management technology services (7710 and 6360)**
- **integrating non-RIC parties, e.g., Big 5, charter schools**

Implications for School Superintendents

- will have longitudinal data on all students
- will have data to assess strengths and weaknesses of instructional program
- processes such as LEAP and STEP will be streamlined
- teachers, parents and students will have ready access to resources to promote better learning

School District Obligations

- **provide quality data at student level**
(core issue for data-based decision making and data-driven instruction)
- **integrate planning for technology**
- **provide ongoing staff development**
- **involve parents**
- **ensure Internet safety**
- **designate a district data administrator**
- **purchase needed support from RICs for ensuring local data system has required data and for transferring data from the district to the warehouse**

How can this save money?

- **reduce staff time (analysis rather than collection)**
- **improve planning process**
- **target staff development**
- **facilitate program improvement**
- **focus curriculum development**
- **inform decisionmaking**
- **provide required reports**

How can this help students?

- **can direct instruction to gaps in student performance**
- **increases curriculum articulation**
- **provides resources to differentiate instruction**
- **provides ready access to data for students moving between districts**

Resources

- **Statewide Data Collection memo**
<http://www.emsc.nysed.gov/deputy/Documents/02-04studentid-fm.htm>
- **Virtual Learning System**
<http://usny.nysed.gov/vls.html>
- **NYSED Technology Plan**
<http://www.emsc.nysed.gov/deputy/Documents/technology/tech-plan-2-03.html>
- **E-rate**
<http://www.edlinc.org/>