Integrated Student Information System (ISIS) Status Report

Presentation to the Audit Business and Technology Committee

May 13, 2004
Agenda

• Overview
  – Information Infrastructure of the District
  – Difference Between Operational Systems and Data Warehouse
  – Building Complete ISIS Functionality
  – ISIS Users
  – DSS Examples

• SchoolMAX Implementation Status
• Financials
• EESIS Status
• Welligent Status
• Welligent Demo
Glossary of Terms

- **Architecture/Infrastructure**: Combination of hardware, software, networks, and the way these interact to support the needs of the District

- **CRF**: Change Request Form (details the differences between the off-the-shelf SchoolMAX software and the District requirements)

- **DSS**: The Decision Support System, also known as the Data Warehouse, allows users to create and view reports on student enrollment, test scores, attendance, and other data by ethnicity, gender, English proficiency, program participation, school, grade level and other key factors with simple point and click actions on a web browser

- **EESIS**: The Early Education Student Information System is an application supported by ControlTec's CenterTrack application.

- **Fit/Gap Phase**: The activities involved in documenting where the off-the-shelf version of SchoolMAX meets and does not meet LAUSD requirements.

- **IEP**: Individualized Education Plan used for students receiving special education services

- **ISIS**: Integrated Student Information System. A Program level initiative to replace existing LAUSD legacy systems with an integrated system.

- **J2EE**: Java Enterprise Edition - An industry standard web-based software language that has more flexibility and features than current programming languages and can handle a higher volume of users.

- **Legacy System**: Current applications developed by the District over the years to meet information needs (some legacy systems may be outdated, inefficient and unable to share data; may not allow for real time, interactive access to information and may require the same data to be entered multiple times.)

- **MAXIMUS**: Vendor LAUSD has contracted with to develop the core system of ISIS. Started in 1975, Maximus specializes in working with government organizations. They have over 5,300 employees and over 200 offices nationwide.

- **SchoolMAX**: An integrated student information system software application owned by MAXIMUS.

- **SME**: Subject Matter Experts (District employees reviewing ISIS to ensure it meets our requirements).

- **Welligent**: Web based IEP and Medi-Cal reimbursement application implemented to address the need for ISIS with particular emphasis on special education and cost recovery.
Expect to consolidate 100 legacy software systems and databases into 3 Enterprise-wide systems
## Difference Between Operational Systems and Data Warehouse

<table>
<thead>
<tr>
<th>Operational Systems</th>
<th>Data Warehouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Data collection</td>
<td>• Reporting only</td>
</tr>
<tr>
<td>• Real time reporting</td>
<td>• Historical snapshots</td>
</tr>
<tr>
<td>• Supports daily business transaction processing</td>
<td>• Supports strategic decisions/ trend analysis</td>
</tr>
<tr>
<td>• Detailed reports</td>
<td>• Summary and detailed data</td>
</tr>
<tr>
<td>• Subject area focus</td>
<td>• Integrated view</td>
</tr>
</tbody>
</table>
Usage Examples

- Class rosters
- Daily attendance
- IEPs
- Report cards

- Number of proficient and advanced in English language arts on CA Standards Test for 3 years
- Data templates for Single Plan Report
Building Complete ISIS Functionality

<table>
<thead>
<tr>
<th>Phase 2</th>
<th>Phase 1</th>
<th>EESIS</th>
<th>Welligent</th>
</tr>
</thead>
<tbody>
<tr>
<td>SchoolMAX (All Schools)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counseling and Health</td>
<td>Textbooks</td>
<td>Transcripts</td>
<td></td>
</tr>
<tr>
<td>Student Enrollment</td>
<td>State Reporting</td>
<td>Student Scheduling</td>
<td></td>
</tr>
<tr>
<td>Electronic Attendance Reporting from Every Classroom</td>
<td>Gradebook</td>
<td>Mark Reporting</td>
<td></td>
</tr>
<tr>
<td>Early Education Fiscal Management and Student Information</td>
<td>Special Education/Case Management, IEP Updates, Service Tracking and Billing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ISIS Users

<table>
<thead>
<tr>
<th>System</th>
<th>Estimated Number of Users</th>
<th>Users Trained to Date</th>
<th>Data Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSS</td>
<td>5,000+ School-site administrators and coordinators, local district and central office users</td>
<td>2,500+</td>
<td>5+ years of student and teacher data for key metrics already in system</td>
</tr>
<tr>
<td>Welligent</td>
<td>9,300+ Administrators, teachers, nurses, psychologists, DIS providers, etc.</td>
<td>8,500+</td>
<td>Over 85,000 students with active or in process IEPs, 142,500+ total IEPs, and 2.2 million+ documents</td>
</tr>
<tr>
<td>EESIS</td>
<td>250+ Early Education administrators, office managers and central office staff</td>
<td>Training is scheduled June through December, 2004</td>
<td>Over 15,000 active student records (70,000 records archived)</td>
</tr>
<tr>
<td>SchoolMAX</td>
<td>45,000+ Teachers, counselors, school-site administrators, office staff, coordinators, local district and central office users</td>
<td>Training to begin at the end of this year</td>
<td>Initial load with 5 years of day-to-day attendance, marks, grades, class schedules, enrollment, health, and other student data</td>
</tr>
</tbody>
</table>
SchoolMAX Implementation Status

- Requirements validation has been completed
- Detailed specifications for Phase 1 have been completed
- Software enhancement has started
- Implementation, training, and help desk strategies have been completed
- Identifying opportunities to standardize procedures and policies
- Updated work plan reflects a simplified implementation approach
  - New approach allows earlier use of the final software product and eliminates duplicate software development and training
ISIS IMPLEMENTATION SCHEDULE

Project Initiation
- Fit/Gap Analysis for All Schools and Special Education Functions
- EESIS Development
- EESIS Pilot

Secondary Phase 1
- Testing
- Phase 1 Pilot
- Implementation

Secondary Phase 2
- Testing
- Phase 2 Pilot
- Implementation

Elementary Pilot
- Implementation

Adult Pilot
- Integration with ISIS
- Implementation

Special Education

Current
EESIS Overview

• The District’s Early Childhood Education programs serve approximately 15,000 children from 10,000 families
• Services are generally for low income working families who qualify for State subsidies
• This project is sponsored by the Early Childhood Education Division (ECED)
• The goal of the system is to maintain accurate, efficient and up-to-date records to ensure continued State funding of the District's Early Education programs
• EESIS will be used to manage information about families and children receiving subsidized Early Education Services and will provide financial reports mandated by the State
• The system will be used by administrative staff in the sites as well as fiscal staff in the ECED Central Office
• Manual data capture and manipulation will be eliminated
• EESIS currently interfaces with Welligent and Elementary SIS and will be integrated with SchoolMAX
EESIS Status

- New computers, printers and scanners have been installed in 135 Early Education sites
- The ECED Central Office pilot is in the final phase
- Central Office implementation is scheduled for June, 2004
- Five Early Education pilot sites will start using the system in July, 2004
- Rollout to the remaining 145 Early Education sites is scheduled from August 2004 through February 2005
- As scheduled, full implementation is expected by February 25, 2005
Welligent Phase 1
A Huge Step Forward
Supporting Special Education and Medi-Cal Billing

- District-wide, web-based software system used for online IEPs, tracking of services and Medi-Cal billing
- Replaced the desktop application IEP Writer Supreme and the paper system for Medi-Cal billing
- Used by school administrators, teachers and health service providers to administer IEPs and to maintain health services for all students
- Welligent is integrated with the current LAUSD student information systems and will be integrated with SchoolMAX
Welligent Phase 1
Status/Accomplishments

• The District has taken ownership for Medi-Cal reimbursement billing for the last year, saving over $1M in vendor fees.

• IEP documents for 85,439 students now in the system.

• District trainers have trained over 8,500 users of the system for IEPs and service tracking.

• Information in the system is being used to support the District’s progress toward the goals of the Modified Consent Decree (MCD).

• This project is a collaboration between 5 major divisions of the District. Each division has contributed to the success of the project to date.
Welligent Plans & Recommendations

- Originally initiated as a short-term improvement project
- We considered two options for fully supporting Special Education requirements:
  - Develop a Special-Education Module in SchoolMAX with Maximus, and plan for its implementation
  - Build on the success of the Phase 1 Implementation. Enhance and retain Welligent System with Phase 2 functionality and integrate with SchoolMAX
Welligent Phase 2 Enhancements

- Caseload management for service providers
- Electronic billing for additional insurers and programs
- Managed care functionality for management of non-public schools/agencies
- Due process/complaint management features
- IFSP (Infant Family Service Plan)
- IEP forms available in multiple languages (Spanish)
Recommendation: Enhance and Retain Welligent System

- Proposal solicited from Welligent
- Negotiations underway
- Contract documents underway
- Contract to be presented to Board for ratification in June, 2004
- The cost of the Phase 2 enhancements is already within the ISIS budget
Welligent IEP / Service Tracking System

Overview
Attention Welligent Users!

RELEASE 5.1.3 of the Welligent Software is now available.
Some of the major new IEP features include:

- To make an IEP ACTIVE, all required information must be completed.
- Page Edit for required information (IEP documents).
- Alert that the ITP must be completed for students 13 and older.
- Enhanced reports for school use.

Please check My Announcements for links to the Release Notes.

Announcement Posted on Wednesday, January 21 2004 at 12:21PM
Subject: Welligent Development System
Click below to view Version 5.1.3 Release Notes:

- IEP Release Notes
- Service_Tracking Release Notes

Print Announcement
# IEP Documents

**Student:** [Name]
**Date of Birth:** 03-Jan-1995
**School/Student ID:** Welligent Elementary

## IEP Details

<table>
<thead>
<tr>
<th>Document Description</th>
<th>Check/Out</th>
<th>Status</th>
<th>Created By</th>
<th>Date Modified</th>
<th>Modified By</th>
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**Note:** This record was last modified by 75 Administrator on Wednesday May 05, 2004 at 08:10 am
# IEP Caseload

## IEP Tracking
- My IEP Summary
- School IEPs
- Student Search
- Goal Bank
- Translation Workload (U)
- Reports

## IEP Task List

<table>
<thead>
<tr>
<th>Task</th>
<th>Date Due</th>
<th>Student</th>
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<tbody>
<tr>
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## Upcoming Annual/Re-Evaluation IEPs

<table>
<thead>
<tr>
<th>Student</th>
<th>Type of IEP</th>
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<tr>
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## Pending Referrals

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<tr>
<th>Student</th>
<th>Type</th>
<th>Referral Date</th>
<th>Date Plan Received</th>
<th>Notification Date</th>
<th>Scheduled/Due</th>
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<tbody>
<tr>
<td></td>
<td>Review</td>
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<tr>
<td></td>
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</table>

## Pending Assessments

<table>
<thead>
<tr>
<th>Student</th>
<th>Type</th>
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<th>Date Plan Received</th>
<th>Notification Date</th>
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<tbody>
<tr>
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</table>

## In Process IEPs

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<th>Notification Date</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Review</td>
<td></td>
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<tr>
<td></td>
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<td></td>
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</table>
Key Welligent Features

- Message Center
- IEP Documents
- IEP Caseload
- Select / Assign School Based Participants
- Create / Monitor Assessments
- Schedule Meetings
- IEP Compliance Reports
- Data to support 9 MCD Outcomes
## Welligent Usage by Day
### For the last 30 days

<table>
<thead>
<tr>
<th>Date</th>
<th># of Users Logging In</th>
<th>Date</th>
<th># of Users Logging In</th>
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<tbody>
<tr>
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<td>711</td>
<td>April 19, 2004</td>
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<td>May 03, 2004</td>
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<td>April 18, 2004</td>
<td>76</td>
</tr>
<tr>
<td>May 02, 2004</td>
<td>73</td>
<td>April 17, 2004</td>
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<tr>
<td>May 01, 2004</td>
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<td>April 16, 2004</td>
<td>2,344</td>
</tr>
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<td>April 30, 2004</td>
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<td>April 15, 2004</td>
<td>2,389</td>
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<td>April 29, 2004</td>
<td>2,392</td>
<td>April 14, 2004</td>
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<td>April 28, 2004</td>
<td>2,584</td>
<td>April 13, 2004</td>
<td>1,528</td>
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<td>April 27, 2004</td>
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<td>April 26, 2004</td>
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<td>April 25, 2004</td>
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<td>April 24, 2004</td>
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<td>April 21, 2004</td>
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<td></td>
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<td>April 04, 2004</td>
<td>16</td>
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</table>
Welligent Daily Usage Report
By Role

- 3 Central – Div of Spec Ed
- 1 Central – OP/PT Coordinator
- 1 Central – Psych, Director
- 1 Central Super User
- 14 Central – IEP Train / Specialist
- 3 DIS – AT
- 62 DIS – Adapted PE
- 1 DIS – Audiologist
- 7 DIS - Audiometrist
- 4 DIS – Blind/Part Sighted Itin.
- 25 DIS – DHH
- 1 DIS– Inclusion Facilitator
- 3 DIS – Itinerant RSP
- 134 DIS – LAS
- 12 DIS – LRE Counselor
- 2 DIS – NPA (Speech)
- 59 DIS – OT
- 2 DIS – Orientation Mobility
- 16 DIS – PKIT
- 11 DIS – PT
- 5 DIS – Pupil Counseling
- 35 DIS – School Mental Health
- 1 DIS – School Psych, Director
- 6 DIS – Vision Serv. / Therapy
- 2 District – Other Access

- 3 District – Psych Coord/Spec.
- 5 District – Program Specialist
- 4 District Specialist
- 8 IEP Data Entry – CELT
- 8 IEP Data Entry – MICROLINK
- 2 IEP Nurse
- 3 ITD – System Administration
- 2 MBS Billing Staff
- 7 MBS Data Entry Clerk
- 265 School – Administrator
- 118 School – Nurse
- 319 School – Other IEP Access
- 1 School – Dean/Counselor
- 166 School – Psychologist
- 26 School – Teacher / Gen Ed
- 672 School – Teacher / Special Ed
- 536 School – Teacher / IEP Manager
- 1 Welligent Staff

TOTAL = 2556
Welligent Daily Usage Report
By District

- 79  LAUSD Administration District
- 240 Local District A
- 297 Local District B
- 290 Local District C
- 222 Local District D
- 271 Local District E
- 162 Local District F
- 225 Local District G
- 180 Local District H
- 137 Local District I
- 162 Local District J
- 288 Local District K
- 1 Local District Y – Adult School Locations
- 2 Local District Q – Non-Public Schools

TOTAL = 2556
Welligent IEP Statistics

Total Students with Active & In-Process IEPs 85,439

Total IEPs (including historical and amendments) 142,574

Total IEP Documents 2,209,515
isis.lausd.net

District Initiatives - ISIS

ISIS (Integrated Student Information System)
Welcome to the ISIS homepage. This site contains general information about the ISIS project, key dates, hardware and software requirements, and frequently asked questions.

What is ISIS?
ISIS is an Early Childhood to Adult Education student/school management system that consolidates more than 26 legacy student information systems. ISIS integrates all student information in a shared, centralized and secure system of student records for all schools and offices.

Why do we need ISIS?
ISIS will help LAUSD improve student performance and close the achievement gap by:
- Ensuring appropriate placement of students and timely delivery of needed student services.
- Making complete electronic records immediately available when a student moves to another school.