

**DATA Project  
Progress Review  
August 2009**

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# August DATA Project Progress Review

## 1 Executive Summary

Organization of training materials became a major focus this month. With nearly all of the Instructional Strand materials completed and the Technical Component materials in final design, it became important that the presentation of all training materials be done in a consistent manner. The Project's website link to "Training Resources" will now provide visitors a comprehensive connection to documents, videos, and essentially all the materials needed to conduct training. The hard work and skills of Megan Monson (Communication Specialist for the DATA Project) played a critical role in the creation of the many excellent videos now available.

The Superintendent's Summer Institute provided another opportunity to spread the word about the work of the Oregon Data Project. The session was very well attended, with over 85 participants from across the state. Most participants had attended Strand training during the state-wide rollout in 08-09 and wanted information on how to obtain additional training and support.

While the "Technical" training rolls out statewide, the "Instructional" is focused on building capacity and sustainability. Over 40 K-12 plans have already been developed with help from local ESDs. Extensive evaluation of the impact of the capacity building and sustainability efforts are being conducted. We are closely examining the effectiveness of the professional development conducted by certified trainers and the degree to which districts implement the strategies, techniques and guiding principles from the Strand training. Moreover, student achievement performance will be closely monitored in participating districts and compared to non-participating districts.

## **2 Summary of Progress for the month of August 2009**

### **2.1 *Review of Activities and Outputs***

#### **2.1.1 Project Related Meetings**

- Superintendent's Summer Institute Aug 3-5
- SLDS Written Summary Aug 13

#### **2.1.2 Project Tasks – Completed**

- Completed the taping of technical training Component 1: The Need for Data Quality.
- Web Page design finalized for posting all training materials

#### **2.1.3 Project Tasks – In Progress**

- Technical training materials being prepared

## **3 Planned Activities for September 2009**

### **3.1 *Project Meetings/Activities***

- SLDS Conference Call: September 10
- Data Quality Work Group Meeting: September 23

### **3.2 *Project Tasks***

- Finalize all technical training materials

## 4 Attachments

### 4.1 Bi-Weekly Report 8/14/09

|   |  |  |                        |
|---|--|--|------------------------|
| <b>STATUS REPORT</b>  | Status: Green [ X ] Red [ ] Yellow [ ] |  |                        |
|   | Cause: Time [ ] Scope [ ] Quality [ ]  |  |                        |
| <b>Date covered:</b>  | <i>August 1 – August 14, 2009</i>      |  |                        |
| <b>Project Name:</b>  | <i>DATA Grant</i>                      |  |                        |
| <b>Project Manager:</b>   | <i>Ron Hoppes</i>                      | <b>Project Director:</b>                 | <i>Baron Rodriguez</i> |
| <b>Milestones-Activity Since Last Report</b> ( <i>progress/outcomes &amp; problems</i> ):   |  |  |                        |
| <ul style="list-style-type: none"> <li>❖ <i>After additional review and discussion Component 1: The <u>Need</u> for Data Quality was revised and improved. A video was made of the presentation on Aug. 11. The PowerPoint contains presenter notes which include the verbatim text and mouse control indicators as well as additional information that helps people go beyond the slide.</i></li> <li>❖ <i>Component 1 and 2 of the technical training will contain “activities” to be completed at the district level. Component 1 Activity 1, as an example, is the showing of the PowerPoint to district leadership. Each activity will be documented in detail as to its purpose, audience, description, objectives, presentation strategies, and resources.</i></li> <li>❖ <i>Component 3: Tools and Documents for Data Quality includes the formation of a clearinghouse committee to make decisions about which tools are posted to the website. A description of Component 3 and the expected work of the committee were sent to 10 individuals representing ESDs and school districts across the state.</i></li> <li>❖ <i>Creswell School District had their entire administrative staff take the pre-survey for Instructional Strands 1 and 2. When the teaching staff returns, the entire staff will complete the pre-survey for Instructional Strand 3. Data will be compiled to provide a district profile to the superintendent.</i></li> <li>❖ <i>The registration flyer for Component 2: Creating a <u>Culture</u> of Data Quality was handed out to the Data Collection Committee meeting on Aug. 6.</i></li> </ul> |  |  |                        |
| <b>Next Period Milestones/Activities</b> ( <i>high level outline of how you will get from A-Z</i> ):  |  |  |                        |
| <ul style="list-style-type: none"> <li>❖ <i>Apply the activity description model created in Component 1 to Component 2.</i></li> <li>❖ <i>Receive responses from the invitation to participate in the Tools and Documents for Data Quality Clearing House Committee – Part of Component 3 of the Technical Training.</i></li> </ul>   |  |  |                        |
| <b>Challenges/ Obstacles:</b>   |  | <b>Challenges/ Obstacles Mitigation:</b> |                        |
| <b>Comments</b>   |  |  |                        |
| Next status report due August 28, 2009  |  |  |                        |

## 4.2 Bi-Weekly Report 8/28/09

|   |                                    |  |                        |
|---|------------------------------------|--|------------------------|
| <b>STATUS REPORT</b>  |                                    | Status: Green [ X ] Red [ ] Yellow [ ]   |                        |
|   |                                    | Cause: Time [ ] Scope [ ] Quality [ ]    |                        |
| <b>Date covered:</b>  | <i>August 15 – August 28, 2009</i> |  |                        |
| <b>Project Name:</b>  | <i>DATA Grant</i>                  |  |                        |
| <b>Project Manager:</b>   | <i>Ron Hoppes</i>                  | <b>Project Director:</b>                 | <i>Baron Rodriguez</i> |
| <b>Milestones-Activity Since Last Report</b> ( <i>progress/outcomes &amp; problems</i> ): <ul style="list-style-type: none"> <li>❖ <i>The technical training activities associated with Component 1: The <u>Need</u> for Data Quality and Component 2: Building a <u>Culture</u> of Data Quality are being created. The format selected provides detailed description of how the activity should be presented. Initial reactions from key individuals have been very positive. Four of approximately six activities are completed at this time.</i></li> <li>❖ <i>Component 3: <u>Tools</u> and Documents for Data Quality includes a clearinghouse committee. Initial email requests receive minimal response (people still on summer break?) so a second email was sent out on August 23. At this time we have 5 confirmations out of 14 invitations.</i></li> <li>❖ <i>Contact has been made with each of the 8 ESD training sites for technical training. Organizational planning and registration information is being completed.</i></li> </ul> |                                    |  |                        |
| <b>Next Period Milestones/Activities</b> ( <i>high level outline of how you will get from A-Z</i> ): <ul style="list-style-type: none"> <li>❖ <i>Finish the construction of all activity packets related to Technical Training.</i></li> <li>❖ <i>Continue to receive responses from the invitation to participate in the Tools and Documents for Data Quality Clearing House Committee – Part of Component 3 of the Technical Training.</i></li> </ul>   |                                    |  |                        |
| <b>Challenges/ Obstacles:</b>   |                                    | <b>Challenges/ Obstacles Mitigation:</b> |                        |
| <b>Comments</b><br>Next status report due September 11, 2009  |                                    |  |                        |

#### 4.4 SLDS May Status Report 8/13/09

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### SLDS MONTHLY STATUS NOTES

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**STATE:** OREGON

**DATE:** THURSDAY, AUGUST 13, 2009

**FROM:** ELEANOR WANG

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**CALL-IN #** (866) 469-3239, attendee code 80224421#

NOTE: Please remember to include both Kashka Kubzdela ([Kashka.Kubzdela@ed.gov](mailto:Kashka.Kubzdela@ed.gov)) and Eleanor Wang ([Eleanor.Wang@ed.gov](mailto:Eleanor.Wang@ed.gov)) in your SLDS related correspondence.

**ATTENDING:** Doug Kosty, Ron Hoppes, Mickey Garrison, Dennis Boston, Megan Monson (ODE); Kashka Kubzdela (NCES); Eleanor Wang (KGS)

**ACTION ITEM STATUS:**

**DOCUMENTS PROVIDED DURING CALL: N/A**

**QUESTIONS/COMMENTS:**

**NOTES:**

*\*Written updates provided by the Oregon Department of Education (ODE) are the basis for this section.*

#### **1. Professional Development – Instructional Strand 2**

##### ***Updates:***

Both Strand 2 & 3 video segments are completed and will be posted to the project website soon. Also DVDs will be made available upon request from districts! The DVD option is especially important for small rural districts that may have connectivity challenges.

Yahoo! A **BIG** thank you to Megan for all the skill she brought to this effort and a **BIG** thank you to the video crew at ODE for trouble shooting roadblocks!

***Expected Accomplishments by Next Monthly Update:***

***Challenges/Obstacles & Areas Needing Improvement:***

## **2. Professional Development - Strand 3**

### ***Updates:***

Beginning work on combining Strands 1&2. Strand 2 provides the strategies & techniques that are needed to analyze data at the district & building level.

### ***Challenges/Obstacles & Areas Needing Improvement:***

### ***Expected Accomplishments by Next Monthly Update:***

## **3. Professional Development – Implementation RFP**

### ***Updates:***

Beginning to review the “implementation” RFPs that allows districts within the three major regions of Oregon to go deep with the training from both the instructional & technical strands.

### ***Expected Accomplishments by Next Monthly Update:***

Announce which ESDs and districts were awarded implementation opportunities!

### ***Challenges/Obstacles & Areas Needing Improvement:***

## **4. Professional Development – Sustainability RFP**

### ***Updates:***

The “sustainability” RFP providing ESDs (Education Service Districts) with support to sustain the work begun from the statewide roll-out is still in process.

### ***Expected Accomplishments by Next Monthly Update:***

Announce the “sustainability” RFP has been awarded. Begin working with the six regional centers to help each ESD draft regional and individualized plans for each of their districts.

### ***Challenges/Obstacles & Areas Needing Improvement:***

## **5. Instructional Strands – Evaluation**

### ***Updates:***

Working on an “on-site” observation tool which will provide another data point to evaluate the degree to which sites (i.e., western, central & eastern Oregon) are embedding a culture of data at a classroom level.

## **6. Technical Training Strands**

### ***Updates:***

Component 1: The Need for Data Quality

A major rewrite of this component, resulting in a presentation that is much tighter, has been completed. The presentation is complete with presenter notes as well as

verbatim script to use during the presentation. A video tape is expected to be finalized by the end of August.

Component 2: Building a Culture of Data Quality

Materials are being created for the trainings scheduled in October and November.

Component 3: Tools and Documents for Data Quality

Invitations to become part of the clearinghouse committee have been sent out to individuals across the state.

***Expected Accomplishments by Next Monthly Phone Call:***

Complete the re-taping of the newly designed Component 1 presentation.

**7. KIDS Program – Work Package #2 – Metadata Global Model**

***Updates:***

One of the overarching objectives of phase III of the KIDS Program is to create a framework for improved data quality and visibility of the business rules and data issues. The metadata in the KIDS II pilot addressed the most gross requirements in terms of data quality but are not nearly comprehensive enough to support the full range of metadata requirements. Additionally, technology changes (in modeling software and likely in presentation layer) will mandate changes to what was done in phase II. In order to accomplish these objectives an expanded metadata repository will need to be developed and related data elements added to all the KIDS data models (Staging, ODS and DW). Since these are global changes (all tables in all models will be revised) we will maximize our efficiency by making a number of other data model changes at this point which are also global in scope (will affect all or most entities).

User interface applications to administer and view the new metadata will also be a part of this work package. VersiFit will participate in the design of these user interfaces but the development will be handled completely by the KIDS/Transactional teams.

Completion of the tasks for this work package are nearly complete.

***Challenges/Obstacles & Areas Needing Improvement:***

***Breakthroughs/Victories:***

ODE now has a single Metadata Repository that can be used by both the transactional systems and the KIDS Program.

***Expected Accomplishments by Next Monthly Phone Call:***

Unit testing will be completed and System testing will have begun

## **8. KIDS Program – Work Package #3 – Global Extract Enhancements**

### ***Updates:***

In work package 02 a number of data elements were added to all of the KIDS data models to provide for increased metadata, visibility of lineage to support data quality issue resolution and to improve the performance and robustness of the daily loading process. Several of these additions will require changes to the KIDS Regional extract files (to provide additional lineage data, change data for incremental processing, etc). The extracts must also be revised to leverage the improved crosswalk metadata (pushed to the Regional sites in work package 02) and the extract version information to the enhanced validation routines (to be developed in work package 04). VersiFit will, along with the KIDS team, work closely with the Regional sites to implement the required changes initially in a development environment (later in phase 3 of the KIDS program these will be promoted to a production environment). There will be additional, subsequent revisions to the Regional extracts which are focused in nature. The revisions designed and implemented in this work package will be more fundamental and global (impacting all extracts) in scope.

Extract re-write tasks are nearing completion.

### ***Breakthroughs/Victories:***

Linn-Benton-Lincoln Regional has decided to allow VersiFit to complete the extract tasks.

### ***Expected Accomplishments by Next Monthly Phone Call:***

Tasks and Unit testing completed, system testing started.

## **9. KIDS Program – Work Package #4 – Global ETL Enhancements**

### ***Updates:***

The fundamental metadata and data element changes implemented in the data model and regional extracts in work packages 02 and 03 will need to be implemented in every one of the KIDS staging procedures. These changes are global in scope and will build upon the enhanced framework for the ETL that was established in work package 01. Every ETL procedure will need to be revised to always use the keymap data structures (to support ETL restarts), to read and write to the new metadata structures (implementing a period-sensitive-validation as well as exemplary business rule validations) and to propagate the new data elements for lineage (local source key values) and metadata (versions of rules used). Because every ETL procedure will be revised in this work package we will also add the Calendar dimension to the ODS and will revise the Institutions dimension to include an annual granularity.

Critical in this package will be to finish the implementation of the incremental ETL feature whose foundation was laid in the prior three work packages. The net change metadata and net-change capable extracts will need to be implemented in the Staging and ODS ETL procedures and tested and the necessary tuning done to meet the

desired daily ETL performance objectives. Incremental loading of the data warehouse (DW) may or may not be required dependent upon the gains made from the other steps in the nightly processing.

Work Package tasks nearly completed.

***Expected Accomplishments by Next Monthly Phone Call:***

Tasks and Unit testing completed, system testing started.

**NEXT UPDATE: Thursday, September 11, 2009 11:00 am (ET)**