

## Guidance – SLC Project Documents

### About SLC

SLC is an alliance that aims to accelerate the progress of our public schools toward personalized learning for all students. The collaborative is designing a shared technology infrastructure (Shared Learning Infrastructure, “SLI”) that will support the implementation of the Common Core State Standards and help states and districts provide teachers with the instructional data and tools they need.

The SLI is a set of shared services that will connect disparate student data and learning content that currently exist in different formats and locations and don’t integrate with one another. The SLI will include the following:

- **Middleware:** Software that integrates and orchestrates activities across different state systems, components and applications, enabling them to interact.
- **Dashboards:** Out-of-the-box dashboards to make student data more manageable and useful for educators in a customizable format.
- **Data store:** A secure, cloud-based repository for structured and unstructured learning data.
- **API:** an open application programming interface (API) to enable vendors and developers to create applications and content that can interface with the SLI.

### Project Documentation

To assist pilot site teams and vendor teams to integrate with SLI, the project team will publish project documents as they build. SLI is being developed using an agile approach which dictates the release of information. These documents should be viewed as draft until building is complete in December 2012. These documents and the information contained herein are provided on an "AS IS" basis; SLC DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED.

### *Available Documents (Updated May 4<sup>th</sup>, 2012)*

#### Learning Standards

- **SLC\_Learning\_Standards\_Alignment\_Whitepaper\_v1.0:** This whitepaper explains the benefits of alignment to educational standards. It contains five sections: The Case for Standards Alignment, Content-Related Data Requirements, The SLC’s Learning Standard Alignment Technology, A Glossary of Terms and References for supplemental information.

#### Data Store API

- **The Developer’s Guide & API Reference Guide:** Documentation on the SLC API reference guide and the data model is now maintained online. Please refer to this link online for the latest version: <http://www.slcedu.org/technology/apis-sdk>

- **SLC\_Data\_Store\_Draft\_API\_Spec:** This document has now been updated and is included within the SLC Developer Guide. It can be found online here: <http://www.slcedu.org/technology/apis-sdk>
- **SLC\_Introductory\_API\_Usage\_Whitepaper:** This document has been updated and incorporated into the SLC Developer Guide. It can now be found online here: <http://www.slcedu.org/technology/apis-sdk>
- **SLC\_Data\_Store\_Draft\_API\_RFP\_Guidance:** This document provides specifications for alignment of applications with the SLI Application Programming Interface (API).

#### Identity Integration

- **SLC\_Identity\_Integration\_Solution:** Describes how SLI will implement identity integration with SEA/LEA directories through Federation; how the users are authenticated and authorized on the system; and outlines the application authentication and authorization process. In addition, the Identity Integration Solution document outlines the default SLI roles and permissions that will be available to SEAs and LEAs for assignment to users.
- **SLC\_LRMI\_RFP\_Guidance:** This document provides RFP guidance for draft specifications regarding Identity Integration.

#### Learning Resource Metadata Initiative

- **SLC\_LRMI\_RFP\_Guidance:** Provides specifications for alignment of applications with LRMI.

#### Portal & Dashboards

- **SLC\_Customizing\_Portal\_and\_Dashboards\_Overview:** This document describes ways that SEA and LEA IT Administrators can customize the user experience of the SLI. It also provides guidance on how third party applications can be included in the SLI portal.
- **SLC\_Portal\_Dashboard\_RFP\_Guidance:** This document provides RFP guidance for specifications regarding Portal and Dashboards.

#### Data Ingestion

- **SLC\_Data\_Ingestion\_Specification:** This document provides the specification of the Ed-Fi based data ingestion file formats and procedure for ingesting data into the SLC DataStore.
- **SLC\_Learning\_Registry\_Index\_Solution\_RFP\_Guidance** - This document provides a description of a component of the SLI application ecosystem called the Learning Registry Index Solution, and is intended to be referenced by vendor RFPs.
- **SLC\_Bulk\_Data\_Transfer\_RFP\_Guidance:** - This document provides an overview of Bulk Data Transfer as described in the SLC Bulk Data Ingestion Specification.