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## GEORGIA DEPARTMENT OF EDUCATION

### CHRONICLE – A DATA CLEARINGHOUSE FOR GEORGIA’S PUBLIC EDUCATION SYSTEM

**Project Start Date: 3/2/2009**

**Project End Date: 2/28/2014**

**Amount Awarded: \$8,942,640**

The Georgia Department of Education plans to use funds from the Statewide Longitudinal Data System Grant to establish a new infrastructure that manages the exchange, integration, analysis, and reporting of educational data for the State of Georgia. The Department’s existing collection of student data via manually uploaded flat files will be replaced by an Enterprise Data Hub. The hub will facilitate efficient and reliable interoperability with local educational agencies, other educational agencies within Georgia, adjacent state educational agencies, and federal databases. A P-20 data model will be designed to track student data longitudinally and integrate information about teachers, courses, programs, schools and systems to provide better understanding of the influences on and context for student achievement. The new system will be referred to as Chronicle, in reference to the chronological record of events that the system will maintain.

Chronicle will facilitate nightly data exchange with each of the State’s 182 districts; increasing the frequency with which data can be shared and reducing reporting demands on contributing agencies. The hub will provide a new infrastructure for the Department and other agencies to source data for analyses and applications that enable stakeholders to better inform their decisions with timely and relevant data. Student transcript information will be collected, integrated, and disseminated through the hub using a Service Oriented Architecture with XML standards. Applications sourcing data from Chronicle will provide instructional staff with important longitudinal data for the students they are currently serving.

The exchange of data is proposed to include other Southeastern states, pending new FERPA regulations that permit such exchange. Cross state data exchange is proposed to 1) improve the continuity of services for transfer students, 2) facilitate auditing of reported student transfers out of the State, and 3) update dropout statistics for students that re-enroll in other states. This architecture will provide Georgia with data that is necessary to produce a valid and reliable four-year adjusted cohort graduation rate that better informs our efforts to ensure all students graduate from high school ready for a career and/or post-secondary study.

The system’s P-20 data model will provide a platform to enable an integrated view of Georgia’s Public Educational System. Organizational affiliates from the Georgia Alliance of Educational Agency Heads, including the University System of Georgia, the Georgia Department of Technical and Adult Education, and Georgia’s Department of Early Learning (Bright from the Start) will contribute and retrieve data via the Hub. This P-20 data store will provide the State with an infrastructure to not only assess the extent to

which graduates are adequately prepared for further education or work, but also to identify the most effective programs in preparing students for the next stage of their educational careers.

A comprehensive data governance plan will strengthen the integrity and security of data contained within Chronicle. Data consolidation will be supported by standardized processes and integrity checks to improve data quality and consistency. Nightly collections will enable timely evaluation and remediation of data quality issues. The more frequent collection cycle will enable ongoing data quality initiatives that are currently compressed within the State's four annual data collection periods. The project will include support from numerous partners including: the Governor's Office of Student Achievement, the Alliance of Educational Agency Heads (Georgia's P-20 council), an advisory council of school district representatives, and the Private Data Vendors.