

Maryland

Maryland State Department of Education R372A120036

Project Title: *Extending, Blending, and Using PK12/P20W Data for Career and College Readiness and Workforce Tracking, Policy Analysis and Policy Making*

Project Description: This grant proposal focuses on Priority 3 “to develop and link postsecondary and/or workforce data with the State’s PK-12 data system.” This collaborative, multi-agency proposal has been developed by: (a) Maryland State Department of Education, (b) Maryland Higher Education Commission, (c) Maryland State Department of Labor and Licensing, (d) University System of Maryland, and Maryland State Longitudinal Data Center and Advisory Board. Over the last 24 months, Maryland has been successful at expanding its PK12 data warehouse and its new P20W data warehouse. PK12 has been expanded to include early childhood and career and technology education data, and an online business intelligence dashboard analytics system. With Race to the Top funds, a multi-agency team is implementing a state-wide P20W policy-based longitudinal data warehouse.

Two goals shared by the PK12 SLDS and P20W SLDS are to provide: (1) progress and transition data about an individual’s and aggregated group’s education-work life-cycles, and (2) analytics to help policy makers improve decisions on education initiatives, curriculum alignments, and workforce programs. The PK12 SLDS and P20W SLDS both are experiencing challenges that prevent them from reaching full potential including: (a) gaps in data collections; (b) complexity in blending disparate data from multiple agencies; (c) presenting research that shows the value of the SLDS systems in decision making; and (d) training of key policy makers, such as state legislators, on how to use SLDS data. To meet these challenges, this proposal has defined five proposal objectives with 15 subproject deliverables:

Objective 1- Expanded data collections of the SLDS systems

- Project 1.1- Implement private career school data collection and add data to P20W
- Project 1.2- Implement juvenile services education data collection and add data to PK12 SLDS
- Project 1.3- Implement adult GED data collection and add data to PK12 SLDS
- Project 1.4- Implement adult correctional education data collection and add to PK12 SLDS

Objective 2- Implement Data Standards and Improve Data Quality

- Project 2.1- Implement a master data management system
- Project 2.2- Implement a probabilistic directory data matching subsystem and web service

Objective 3- Advanced Dashboards for Policy Decision Makers

- Project 3.1- Develop PK12-P20W CTE curriculum alignment dashboard
- Project 3.2- Develop PK12-P20W early college access outcome dashboard
- Project 3.3- Develop college-to-work CTE program outcome dashboard
- Project 3.4- Develop P20W SLDS Education to Work Life-Span Summary Dashboard

Objective 4- SLDS Training and Professional Development for Policy Decision Makers

- Project 4.1- Implement SLDS Research Training Academy
- Project 4.2- Implement SLDS Legislators Training Academy

Objective 5- Research in Using and Expanding SLDS Data

- Project 5.1- Assessing STEM post-graduate student regional work retention
 - Project 5.2- Assessing the need for inclusion of online education data in the SLDS
 - Project 5.3- Assessing training and retention of early childhood workforce in Maryland
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