

# Massachusetts

## Massachusetts Department of Elementary and Secondary Education R384A100044

Project Title: *Massachusetts Information Providing Accelerated Student Success from Preschool to Occupations in Real Time (i-PASSPORT)*

Fifteen years of rigorous standards and assessments, has enabled the majority of our very diverse students to achieve at consistently high levels nationally and internationally. Too many students, however, are not performing at these levels. They are caught in an achievement gap that has proven very difficult to close. A clear consensus has emerged among the Governor, the Legislature, and our state and local education leadership that our data and information systems must play a more prominent and strategic role in our efforts to close these gaps in student achievement and enable all students to perform to their maximum potential.

The Massachusetts Department of Elementary and Secondary Education is building an Education Data Warehouse that already meets most, but not all of the twelve essential elements stipulated by the America Competes Act. The Departments of Early Education and Care and Higher Education have separately built and strengthened their own data warehouse systems. The recent establishment of the Executive Office of Education combined with this SLDS grant opportunity will enable our three agencies to link, enhance and expand these currently separate systems to create the Massachusetts Information Providing Accelerated Student Success from Preschool to Occupations in Real Time (i-PASSPORT). The i-PASSPORT will ensure that Massachusetts meets all seven capabilities and twelve essential data elements by September 2011.

The following five goals will enable the i-PASSPORT to deliver several key outcomes:

- Goal 1:** Integrated P-20 Data System. Comprehensively link and integrate data from DEEC, DESE and DHE into a re-architected data warehouse for up to 100,000 users with role specific data marts that provide rapid, relevant, timely and FERPA compliant data reports to users.
- Goal 2:** Early Indicator Warning & Opportunity System. The DESE and DEEC will provide all school districts and schools with reports at the earliest feasible indications of risk (e.g., of dropping out or failing) for all students and opportunity (e.g., for advanced placement or dual enrollment classes) for students in middle and high school based upon the latest research.
- Goal 3:** SIF Expansion. The DESE will collect data from its source as it is input and move it rapidly into the data systems to provide “near real time” information to all levels of the education enterprise by expanding SIF functionality to an additional 40-50 school districts.
- Goal 4:** Early Identification of Prospective Educators. DESE, DEEC, and DHE will establish systems for the early identification of prospective educators and assign a unique identifier at the first indication of such interest; i.e., at enrollment in an educator preparation program, at their first registration for a teacher test, or at hire.
- Goal 5:** Improved Data Quality / Data Audit System. DEEC, DESE and DHE will design and implement data audits, data quality curriculum and a certification process for early learning centers, school districts, and public higher education institutions and will conduct audits on a targeted sample annually.
- Goal 6:** Interstate Data Sharing. Massachusetts will work collaboratively with Connecticut to implement a regional data sharing system that enables the tracking of student mobility and provides more comprehensive answers to questions related to the effectiveness and impact of our educational and support investments.