

# Municipal Accounting Systems, Inc.

## Wen-GAGE SIF Agent Success Story

### The Project

With the passing of House Bill 1646 by the Oklahoma Legislature and the creation of the Oklahoma State Department of Education (OSDE) vertical reporting project, known as the Wave, Oklahoma became the first state to mandate the [Schools Interoperability Framework \(SIF™\)](#) standard as a model for statewide data collection. With more than 70% of the districts in Oklahoma utilizing Municipal Accounting Systems, Inc.'s Wen-GAGE® Student Information System, it was imperative that Municipal Accounting Systems, Inc. develop an implementation plan to provide their Oklahoma customer base with the tools necessary to effectively and efficiently satisfy the Wave reporting requirements.

### The Process

Municipal Accounting Systems, Inc. defined three primary goals in developing an implementation plan for their customers. First, changes to the district's daily tasks and business processes to meet the Wave reporting requirements must be minimal. Second, data validation checks and data integrity must be ensured to successfully report the required data elements for the Wave project. Third, assimilation of the required data elements for the Wave project should not consume additional time or resources from the staff of the district. All of these goals were accomplished with the implementation of the [SIF 1.5 Certified Wen-GAGE SIF Agent](#).

The initial phase of the Wave project, which includes gathering specific data elements necessary to assign a unique identifier to each student and managing data change events including entry and exit requests, requires the support of five (5) [SIF Specification](#) data objects. Those [SIF](#) data objects include: LEAInfo, SchoolInfo, StudentPersonal, StudentContact, and StudentSchoolEnrollment.

Responding to requests from the [District SIF Wave Agent \(DSWA\)](#), supplied by Computer Power Solutions of Illinois, the Wen-GAGE SIF Agent assimilates data from the district's database(s) and builds SIF Responses for each of the five (5) SIF data objects. Once the unique state student identification numbers are assigned for the district, StudentPersonal Change Events are published in the district zone by the DSWA. Subscribing to those events, the Wen-GAGE SIF Agent populates the district's database(s) with the unique state student identification number. Subsequent data synchronization and management of entry and exit requests are handled by the Wen-GAGE SIF Agent publishing SIF data change events for the five (5) data objects.

### The Outcome

Municipal Accounting Systems, Inc.'s pilot districts for the Wave project, Frederick, Hartshorne, Marlow, and Goodwell Public Schools, were among the first districts to report data to the OSDE and receive unique state student identification numbers via an application agent. Currently, Municipal Accounting Systems, Inc. has over 100 Oklahoma School Districts implemented with the Wen-GAGE SIF Agent and reporting data to the OSDE. Over the next few months, that number will grow to more than 380 SIF implementations. Municipal Accounting Systems, Inc. met their primary goals in providing their customers with the tools necessary to satisfy the Wave reporting requirements and along the way has become a national leader in SIF implementations for student information systems.