



## PhoneTop®

## K-12 SIF Agent

### *Go Beyond Dial Tone™*

#### A SIF-ENABLED APPLICATION

Now school systems can employ AAC's award-winning PhoneTop® K-12 XML application suite within a Schools Interoperability Framework (SIF) network. The *SIF Agent for PhoneTop K-12* allows Cisco Systems® IP telephones to act as portal to your back-office application systems.



#### THE CHALLENGES FACING DATA MANAGEMENT IN OUR SCHOOLS

Today, education data information systems serve a wide-range of purposes and functions, including such facets as student information, geographic information, food services, library management, financial, grade book, and others. A huge problem facing school systems today is that many of these systems do not "talk" to each other or otherwise share data with one another, resulting in data redundancy and the manual upkeep of identical data in different databases.

#### MANAGING STUDENT DATA

Imagine that a new student is being registered or added to a school. We want to teach the student so we need to enroll him in the student information system, identifying his classes and teachers; we need to track his success at our school so the grade book system needs to be updated; we need to issue him a meal card so we make an entry into our food services management system; we wish to issue him a library card and allow him to check books out so we log him into our library management system; and we need to track the manner by which he gets to school so we select his bus route in our transportation system.

#### MANAGING TEACHER DATA

Likewise, at the beginning of each school year when our schools experiences faculty transfers and turnover, we need to record each teacher within the student information system, grade book system, financial management system (e.g., payroll system), and human resources database.

#### HOW SIF WORKS

SIF is an industry standard that defines discreet data objects (such as a student's first name) within an education application environment. SIF allows various applications in your network to register with the school's network as an "owner" of certain data objects as well as a "subscriber" for updates of other objects. SIF uses XML as the protocol by which updates to a data object's values are communicated between applications.





## AAC's SIF AGENT FOR PHONETOP K-12

AAC has developed an agent that allows its popular PhoneTop K-12 product to participate in a SIF network, and through interaction with a Zone Information Server (ZIS), subscribe to a variety of objects in your SIF network.



### ABOUT AAC INC.

Incorporated in 1983, AAC provides network engineering consulting services for Federal, state and local government, and commercial clients. AAC boasts three areas of expert specialization: IP Communications, Information Assurance and Applications Development. AAC is a Cisco Systems IP Communications specialized Partner, Cisco IP Communications Development Partner, and Cisco AVVID Partner, providing value-added, customized Voice-over-IP solutions to our customers. This includes the integration of 3rd-Party, Eco-System Partner products as well as the development and integration of AAC XML, C, and JAVA applications such as the PhoneTop® application described herein. Please visit <http://www.phonetop.com> or call toll-free 1-877-FONE-TOP (1-877-366-3867) and ask for sales for more information.

Visit <http://www.sifinfo.org> for additional information on the schools interoperability framework.

Visit <http://www.phonetop.com> for information on AAC's PhoneTop K-12 product suite.

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