



USTRANSCOM Science and Technology

Single Mobility system (SMS) Enterprise Web Services

Project Summary: The Single Mobility System (SMS) Enterprise Web Services project proposes use of Research, Development, Test, and Evaluation funds to deliver Service Oriented Architecture (SOA) web service capabilities for consumption in a web visualization layer, and/or by external applications. In a fully functional SMS Service enabled environment, the user will be able to access SMS capability without navigating the SMS application. Applications will be able to retrieve SMS application data without the need for a unique developed interface requiring Service level documentation, complex mechanisms for transmitting the data, or internal parsing routines for data translation or storage. The user will have the ability to access available SMS capabilities in a program/system independent fashion. Agile Transportation for the 21st Century (AT21) – AT21 intends to consume SMS web services in the implementation of Special Assignment Airlift Mission Management and Defense Courier Mission Management. USTRANSCOM (and Department of Defense) currently utilizes Host level and Network level intrusion detection systems for cyber security. This infrastructure would automatically apply to information exchanged between SMS and any consumer of its information thereby enhancing cyber security measures. Initially, SMS will provide web service interfaces for up to ten of its existing query capabilities, and Distribute.mil will provide the target environment for the Global Information System framework and deliver the final capability to the user.



Return on Investment: Reduction in development time to include additional ITV feeds into the mapping layer; Products re-use ability/reduction in training requirements; Decrease in development of unique interfaces to a variety of non-homogeneous systems.

Participants: USTRANSCOM

Project advocacy (funding or otherwise): USTRANSCOM

Transition: TBD

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