

Exceptional service in the national interest



Providing Passenger Connectivity Information for Modeling & Simulation

What is SHERPA?

SUMMIT for Homeland Emergency Response & Planning Analysis (SHERPA) is a software toolkit that allows analysts, emergency planners, responders, and decision makers to seamlessly access integrated suites of modeling tools and data sources for planning, exercises, or operational response.

What is the IPCD?

The Intermodal Passenger Connectivity Database (IPCD) is a nationwide data table of passenger transportation terminals, with data on the availability of connections among the various scheduled public transportation modes at each facility.

Wrapping the IPCD in SHERPA

Creating a wrapper for the IPCD will allow for simulations ran in SHERPA to take into account all public transportation stations available within a given area, what methods of transportation they offer and their exact locations. Having this information could be vital for quickly and efficiently transporting large quantities of citizens from one location to another, such as during an evacuation. With each model working together in unison, SHERPA will be extremely effective in ensuring the safety and well-being of many citizens in the event of a disaster.

