

Scope of ACP80

The Vision of the Standing Committee in Traffic Simulation (ACP80) is to provide a needed focus and forum for traffic simulation, and to promote a better understanding and utilization of highway traffic simulation.

The committee is concerned with the development, validation/calibration, application, and provision of guidance of highway traffic simulation in support of the transportation system analysis and decision-making processes at local, regional, state and national levels. The scope includes the use of different spatial and temporal levels of highway traffic simulation for the estimation and prediction of various performance metrics. This use of simulation considers the availability of data from multiple sources with specific attention to characteristics and quality of data in the context of using in traffic simulation, impacts of emerging vehicle technologies and traffic management systems, and the interactions of general vehicular traffic with various modes of transportation including but not limited to heavy vehicles, transit vehicles, bicyclists, and pedestrians.

The committee will also provide advice to the simulation modeling community on how to apply and utilize the results of simulation modeling through consistent communication and collaboration with other TRB committees and traffic simulation practice committees (e.g. ITE's SIMCAP).

It is still to be finalized whether the committee will be home to the Transportation System Simulation Manual (TSSM), (developed as a Pooled Fund Study led by FHWA, and sponsored by several States) and to be updated and maintained by ACP80.