



**American Meteorological Society (AMS)
Board on Enterprise Economic Development (BEED)**

Terms of Reference (TOR)

**ITS & Surface Transportation Committee (ITS/STC)
Mobile Observations Subcommittee**

Purpose: Weather can adversely affect the surface transportation system by increasing crashes, causing delays and thereby increasing societal and delivery costs. There is a need to improve the operational performance of weather support to surface transportation system (i.e., mobility and safety under adverse weather conditions).

Goal: The goal of the ITS/STC Mobile Observations Subcommittee is to monitor and promote the development of vehicle mobile observations, connected vehicle information technology, and the assessment of data gap issues in order to provide meteorological providers the ability to enhance the weather support for road safety and other affected communities, as well as improve highway throughput through better information to operators and weather-related decision support.

Activities: The ITS/STC Mobile Observations Subcommittee will develop and participate in the following activities:

- Participate in meteorological, surface transportation, and other weather-related community-sponsored activities to increase stakeholder awareness regarding the potential of mobile observations in improving the quality and timeliness of weather information, thus, enhancing weather-based decision making
- Stimulate and support information exchange and foster mobile observation and technology transfer, especially through education of the sectors that each member represents
- Develop targeted white papers and other products designed to reach stakeholders, including the AMS management

Subcommittee Structure: The ITS/STC Mobile Observations Subcommittee will be structured as follows:

- The Subcommittee will report to the ITS/ST Committee
- Membership terms will begin each year at the AMS Annual Meeting.
- The Subcommittee will consist of at least five members which includes a Subcommittee chair
- The Chair of the ITS/ST Committee will assess the need and purpose of the Subcommittee at the end of each calendar year.
- Subcommittee members will serve up to three years depending on the needs assessment.

- Membership at a minimum shall represent all three (3) community sectors (e.g., academic, public and private sector)
- Candidate committee members will be nominated by the ITS/STC Chair and approved by the BEED chair and the Commissioner of the Climate and Weather Enterprise Commission.
 - AMS members will be given preference for Subcommittee membership. However, AMS membership is not a prerequisite for ITS/STC membership
 - The majority of Subcommittee membership shall be AMS members
- The Leader of the Federal Highway Administration Road Weather Management Team may recommend an *ex officio* member of the Subcommittee.
- The Chair of the Intelligent Transportation Society of America (ITSA) Surface Transportation Weather Committee of the Cross Cutting Issues Forum may recommend an *ex officio* member of the Subcommittee.

DRAFT