

AMS Board on Enterprise Planning

AMS APT Committee on Mobile Observations

Committee Charge Summary

The “Mobile Observations Committee” will have an overarching charge to discuss the application and utilization of mobile weather and road condition data in the context of supporting the weather and transportation communities and how these data could be used to improve safety and mobility across the nation’s surface transportation system. This APT will help articulate a clear vision for mobile data that captures the immense opportunities for these data to improve surface transportation weather services.

The vision will be documented in a report with an executive summary and/or clearly demarcated talking points. Specific issues to be discussed will include, but are not limited to:

- Potential benefits of mobile data
- Barriers to data utilization by the weather community
- Commercial products and applications enabled by vehicle data
- Business models (public-private partnerships) needed to accelerate adoption of mobile data
- Other topics, such as:
 - Data quality control
 - Metadata requirements for mobile datasets

The committee will be asked to provide recommendations on how to:

- Minimize implementation barriers
- Define research needs
- Best engage the weather, climate, transportation communities (and perhaps policy makers) to move these technologies forward
- Other