



Committee on Safety Performance and Analysis, ACS20
Safety Analytical Methods (SAM) Subcommittee, ACS20(1)
2022 TRB Annual Meeting– Agenda (Draft)

Monday January 10, 2022
10:30-12:00 PM EST (in person)

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|------------|---|-----------------|
| 1) 10:30am | Call to Order and Introductions | Xiao Qin |
| 2) 10:40am | 2021 Subcommittee Survey Results | Xiao Qin |
| 3) 10:45am | Presentation

<i>The Application of Machine Learning in Traffic Safety Analysis: Trend in the last Decade</i> |

Yang Li |
| 4) 11:00am | Update on national efforts and initiatives (e.g., NCHRP projects) | All |
| 5) 11:10am | Research Needs Statement (RNS) discussion | All |
| 6) 11:40am | Others | All |
| | ○ Upcoming Events | |
| | ○ Subcommittee membership and task forces/working groups | |
| | ▪ New methods/theories (e.g., white papers, e-circular, special issues, RNS) | |
| | ▪ Promotion of applications (e.g., workshops, training, RNS) | |
| | ▪ Ad hoc issues with the Highway Safety Manual (HSM) (e.g., RNS) | |
| | ○ Liaisons with other committees/subcommittees | |
| | ○ Open Floor | |
| | ○ Adjourn | |

Safety Analytical Methods (SAM) Subcommittee, ACS20(1)

2022 TRB Annual Meeting– Minutes taken by John Ivan

1. **Introduction:** Kim Eccles and Karen Dixon, the Committee chairs, welcomed everyone and introduced John and Bhagwant as the ad hoc chairs for this meeting. Kim moved us all into breakout groups for personal introductions.
2. **Background of the merged subcommittee:** Karen and Bhagwant gave some context and background for this subcommittee.
 - a. Due to the TRB Committee restructuring, ANB20 Safety Data Analysis and Evaluation and ANB25 Highway Safety Performance have been combined into ACS20 Safety Performance and Analysis.
 - b. The intention is for the subcommittees in the new ACS20 to complement one another, not compete or be redundant.
 - c. This subcommittee will be a merger of the existing Subcommittee on Future Directions in Road Safety Analysis (joint subcommittee) and the Subcommittee on Technical Issues (ANB25).
 - d. This subcommittee will NOT include the Surrogate Measures of Safety subcommittee (ANB20), which will remain a separate subcommittee within ACS20.
 - e. Issues related to connected and automated vehicles are to be covered by a separate joint subcommittee to be formed in the future (after the ACS20 reorganization is complete).
 - f. Consequently, the focus of this subcommittee is intended to be on methods of analysis, not on subjects of analysis.
3. **Subcommittee functions (Group discussion):** write a scope and mission statement for the subcommittee.
 - a. The scope and mission for the Future Directions and the Technical Issues subcommittees were shared with the attendees to use as a starting point. There was extensive discussion. The scope that emerged from the discussion is provided in a separate attachment.
 - b. The Technical Issues Subcommittee addressed ad hoc issues with the Highway Safety Manual (HSM) Part B Safety Management Systems and Part D CMFs as well as Part C Predictive Methods. Not all of those issue will necessarily be within the purview of this new subcommittee. Consequently, the functions of the ANB25 Technical Issues Subcommittee could be handled in one of two ways. We asked for a consensus on which of the following options would be the best way to handle these things:
 - i. A working group within this new subcommittee, working cooperatively with other appropriate subcommittees (in ACS20 or other committees) for non-analytical technical issues.
 - ii. A working group outside this new subcommittee that refers analytical issues to this Subcommittee, and other issues to other appropriate subcommittees (in ACS20 or another committee).

There was no consensus of the group regarding these two options so we chose to leave this issue to be decided later.

 - c. Expanded data sets (e.g., Tort and legal data, Causations, Costs, Driver and motorist's data, Demographics and census information)

4. **Q&As** Karen answered general questions/discussions raised in the chat window.
 - a. Why are the committees being merged? It is a TRB decision and we have no choice but to work with it.
 - b. We are very interested in liaisons with other committees and subcommittees (TRB Health). Many were suggested in the meeting. Please contact the Committee Chairs (Karen Dixon and Kim Eccles) to initiate these arrangements.
5. **Announcement** Kim announced that Xiao Qin of the University of Wisconsin, Milwaukee, will take over as chair of the Subcommittee after this meeting. Xiao introduced himself.
6. **Meeting is adjourned** at 11:30am by Karen and Kim