

TRB Safety Performance and Analysis Committee
(ACS20)

Report Out

User Liaison Subcommittee (ACS20(2))

Co-chairs: Daniel Carter (NCDOT) and Kim Kolody (Jacobs)

Mentors: Geni Bahar (Navigats) and Mike Dimaiuta (Genex)

August 18, 2022

HSM User Forum

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- **Working group goals**
 - Increase user interactions and peer exchange
 - Identify, respond to technical questions in centralized platform
 - Share news, research, and information
 - Support our goals for practical applications
- **Progress so far**
 - Identified Discourse.org as ideal platform
 - Coordination with AASHTO and FHWA for funding support
 - Preparing for ~2 month pilot test with diverse volunteers
- Requesting pilot test volunteers
- Link: <https://forms.office.com/g/VJLSqsESeH>

HSM Tools Working Group

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Past Activities:

- Completed ***HSM Spreadsheet Gap Analysis*** (2020)
- Collected information on state developed spreadsheets/tools (2020)
- Conducted ***HSM Part C Analysis Tools Survey*** (Fall 2021)
- Outreach to states regarding their development of calibration factors (Early 2022)

HSM Tools Working Group

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Identified Need

- One software tool that is true to HSM Part C, but can be customized by the user...
- ...which is also inexpensive enough for agencies (locals, counties, MPOs, states) to use.
- Surveyed the ULSC attendees
 - What are the most important/desirable capabilities in an HSM Part C tool?
 - What are the highest priorities?
- Discussed potential mechanisms for developing/enhancing tools
 - AASHTOWare
 - Commercial-off-the-shelf (COTS) analysis tool(s)
 - Update/expand HSM spreadsheets
 - Others...

Practical Applications of the HSM

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- User Liaison Task Force focused on recommendations to improve the practical application of the Highway Safety Manual
- Mix of representatives State DOTs, researchers, consultants, FHWA and developers
- **11** recommendations produced

Practical Applications of the HSM

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3. NCHRP research for HSM must have an added task of a webinar for a presentation to practitioners of practical use with case studies and edge case discussions before the research is finalized and final report prepared.

ULSC volunteers to begin to compile a list of edge cases based on day-to-day work

6. NCHRP research for HSM includes factors in CPM (crash prediction models) for similar types of jurisdictions (similar to the level, rolling, mountainous terrain in some Level of Service calculations).

ULSC to develop the RNS

11. National / NCHRP has a requirement that data must be available so it can add to a database for others to use.

ULSC to explore the experiences of other committees on data

TRB 2023 Workshop:
“Applying the Safe System Approach to Overcome Challenges”

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- **Sunday, January 9, 1:30 – 4:30 pm**
- Partners: ACS10 (Transportation Safety Management Systems) and ACS20 (sponsoring committees); ACH20 (Bicycle Transportation)
- Draft Agenda
 - A Look Back, A Look Ahead
 - Safe System Alignment Prioritization Framework
 - Applying the SSA to Plans, Policies, and Projects
 - Break Out Groups
 - Report Out

We anticipate needing many additional volunteers

If interested to help, contact

Michael.Dimaiuta.ctr@dot.gov

Kim.Kolody@Jacobs.com

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TRB 2022 Workshop Follow-up Activities: AASHTO/TRB Webinar series: Safe System Approach

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- Series of webinars covering implementation of the Safe System Approach across different disciplines
 - Recap of the TRB 2022 Safe System workshop
 - SSA and the transportation project life cycle
 - SSA in planning and design
- Timeframe: starting this fall

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Other working groups

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Road Safety Training for Local Agencies

- Synthesis: Best Practices for Incentivizing HSM Best Practices by Local Governments

Policy and Legal Aspects

- Tort Liability 101 Webinar

Next Steps

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- Next ULSC meeting in October
- Co-Chairs contact info:
 - Kim Kolody: kim.kolody@jacobs.com
 - Daniel Carter: dlcarter4@ncdot.gov