

**TRB COMMITTEE ON TRUCK & BUS SAFETY (ANB70)**  
**MID-YEAR MEETING**  
**September 1, 2016**  
**9:00 AM – 12:30 PM Eastern**

**Location**

Keck Center of the National Academies, Room 105  
500 Fifth St., NW, Washington, DC 20001

1. **Welcome & Introductions – All**
2. **Review of Annual Meeting 2016 Notes – Erin Mabry**
  - 1) Posted at: <http://www.ugpti.org/trb/truckandbus/meetings/>
  - 2) Minutes accepted
3. **Paper Review Summary and Discussion**
  - 1) 2016-2017 Papers to Review Summary – Bob Scopatz and Brenda Lantz
  - 2) 26 papers submitted - 23 for presentation and publication, 3 for presentation only
  - 3) Email preferences for review appreciated
  - 4) TRB is rejecting papers over 8000 words (next year 7500)
  - 5) Assigned 124 reviews - 49 accepted, 6 declined
    - a) Please accept review invitations even outside expertise
    - b) 10 reviews submitted, 75 reviews still needed by Sept. 15<sup>th</sup>
  - 6) TRB statistics committee is reviewing 4 papers
  - 7) Please include notes with review
  - 8) Remind Bob of areas of expertise
  - 9) Reminder to accept or decline review as early as possible
  - 10) Sal Hernandez volunteered to review additional papers
  - 11) Q: How to review overly simplistic, not newsworthy, poorly written, etc. What is the paper criteria?
    - a) A: Ensure comments to author are direct but kind and include comments to review committee
  - 12) For first time reviewers, we are selective on papers published and presented (up to 19% selected for publication, up to 60% for presentation)
4. **2015-2016 Deborah Freund ANB70 Paper Award – Bob Scopatz, Jerry Krueger, and Jeff Hickman**
  - 1) Reminder as you are reviewing papers, include potential award winner in comments to paper coordinator section
  - 2) Four (4) potential papers were reviewed for award, and the committee selected Paper 16-2393 - *Sensitivity Analysis of Lane Position and Steering Measurements to Fatigued Driving*
    - a) Authors: Hui Zhang, Chaozhong Wu, Zhen Huang, Xinping Yan, and Tony Qiu from Wuhan University of Technology, China
  - 3) The winner will be awarded with a certificate at the Annual Meeting
5. **Committee Membership**
  - 1) Thank you to recent past members, member changes, and welcome to new members

- 2) Michael Belzer, Charles Corder, Ronald Knipling, and Pierre Thiffault have all rotated off of the committee.
  - 3) Fraser McGuire accepted a different position, and resigned from the committee
  - 4) Lori Mooren decided to semi-retire, and resigned from the committee
  - 5) Andrea Sequin declined another term due to work conflicts
  - 6) Sean McAlister has recently passed away on August 20
  - 7) Abby Morgan has left NHTSA, and is now working with Kittelson and Associates, Inc. We welcome Alrik Svenson as our new NHTSA representative.
  - 8) Each new member gave a brief introduction of their background, and current research interests
    - a) Dave Madsen - Volpe National Transportation Systems Center
    - b) Deborah Quackenbush - Virtual Excellence
    - c) Charlie Vits - Indiana Mills and Manufacturing
    - d) Ed Watt - Amalgamated Transit Union
    - e) Rob Di Cristoforo - Advantia - International member
    - f) Nicholas Kehoe – toXcel - Young member
    - g) Emira Rista - Iowa State University - Young member
    - h) Juan Martinez - New York DOT - State DOT member
    - i) For new members wanting to get more involved with committee activities, please contact Brenda!
  - 9) We do still have one (1) open slot for another Young member (35 or younger), another International Member, as well as one more for an employee of a state DOT if anyone has any suggestions
6. **Committee Communications – Brenda Lantz and Erin Mabry**
- 1) Committee website – [www.ugpti.org/trb/truckandbus/](http://www.ugpti.org/trb/truckandbus/)
  - 2) Notify Brenda or Erin of upcoming events or resources to post
  - 3) Reminder to keep your MyTRB profile up to date
7. **FMCSA Report – Safety Research Initiatives – Steve Smith**
- 1) FAST Act
    - a) Correlation Study
      - i) CSA and related issues, National Academy of Sciences contract, have held two (2) meetings so far, final report 2017
    - b) Working Group on Accident Crash Data
      - i) Will look at post accident crash elements - improvements to police accident reports; group established, looking at state differences, making recommendations
    - c) Commercial Driver Pilot Program for Military CDL under 21
      - i) Looking for comments and suggestions, federal register notice out now
    - d) Commercial Driver’s License Skills Test Delays
      - i) OMB process underway
    - e) Study on Commercial Motor Vehicle Driver Commuting
      - i) Survey will require OMB clearance
    - f) Safety Study Regarding Double-Decker Motorcoaches

- i) Motor coaches with rear baggage add-ons; Working with Batelle and testing is scheduled in fall
  - 2) Other Projects
    - a) Flexible Sleeper Berth Pilot Project
      - i) Federal register notice, requires OMB clearance
    - b) Crash Risk by Driver Schedule
      - i) Aggregating databases
  - 3) Q: Skills testing delays project, kickoff and timeline?
    - a) A: Surveys out early 2017, reporting on annual basis
  - 4) Comment: Crash risk by driver schedule, refer to Research Need Statement #28
  - 5) Q: Working group on post-accident reporting delayed?
    - a) A: The next meeting of the group is planned for later this fall
- 8. **FMCSA Report – Policy and Rulemaking Initiatives – Tom Yager**
  - 1) All rulemakings are publically available - contact Tom if unable to find
  - 2) Approximately 25 ongoing at any given time
  - 3) Electronic Logging Devices
    - a) Technical discussions - comments that devices affecting driver pay and productivity - perhaps the issue is drivers are having to follow the rules
  - 4) Entry-Level Driver Training
    - a) Final rule to OMB, hope to be out by end of 2016, will require driver to attend specified curriculum of classroom and practical training before getting CDL; driving schools must be “certified”
  - 5) Safety Fitness Determination
    - a) Rating system for carriers; discussion regarding how accurate are the systems used for this
  - 6) Speed Limiters
    - a) Joint regulation with NHTSA; NPRM
  - 7) Drug & Alcohol Clearinghouse
    - a) Database available to employers; a lot of data, privacy issues; final rule went to OMB in spring 2016
  - 8) Electronic signatures and documents
    - a) Final rule end of 2016, early 2017
  - 9) Uniform Registration System
    - a) All registration application licensing systems rolled into one system; 2nd NPRM out end of 2016
  - 10) Regulatory Guidance Review (FAST Act project)
    - a) Many regulatory guidance items are outdated or unclear - need updating/clarification or removal
  - 11) Wealth of information from newer data systems (Comment)
  - 12) Beyond Compliance
    - a) Way to reward/incentivize drivers who go beyond basic safety rules, currently reviewing public comments
  - 13) Q: ELDs, what are drivers really doing when not driving?
    - a) A: ELD’s aren’t a perfect solution, cannot answer a lot of these questions

- 14) Q: Motorcoach safety report
- a) FMCSA amended pre-trip safety guidelines for lap/shoulder belt use
9. **NHTSA Report – Patrick Hallan (filling in for Alrik Svenson)**
- 1) Truck Tractor and Large Bus Stability Control
    - a) Petition after final rule to create exception for long wheel truck tractors – currently addressing this petition
    - b) The docket for commenting on this rule is NHTSA-2015-0056 at [www.regulations.gov](http://www.regulations.gov)
  - 2) Heavy Vehicle Speed Limiters
    - a) Rule posted online - device on vehicle to limit speed and maintained for the life of the vehicle; NHTSA (new vehicles) and FMCSA (existing vehicles) effort
    - b) Press release: <http://www.nhtsa.gov/About+NHTSA/Press+Releases/nhtsa-large-vehicles-speed-limiters-08262016>
    - c) The docket for commenting on this rule is NHTSA-2014-0083 at [www.regulations.gov](http://www.regulations.gov)
  - 3) Automatic Emergency Braking (AEB) Systems and Advanced Crash Avoidance Technology Field Operational Test
    - a) Received petition asking to regulate; start of rulemaking phase
    - b) Field Operational Test supports AEB rulemaking and research activities - looked at 150 trucks, 7 fleets, 3 million travel miles, 6000 alerts and brake activations, G1 systems don't brake on stopped objects, G2 systems brake on stopped objects; how do G2 systems work?
    - c) AEB Systems - Research posted on docket: NHTSA-2015-0024 at [www.regulations.gov](http://www.regulations.gov)
    - d) Advanced Crash Avoidance Technology Field Operational Test Final Report is available on NHTSA website as DOT HS 812280, published on June 2016, at: [http://www.nhtsa.gov/DOT/NHTSA/NVS/Crash Avoidance/Technical Publications/2016/812280 FieldStudyHeavy-VehicleCAS.PDF](http://www.nhtsa.gov/DOT/NHTSA/NVS/Crash+Avoidance/Technical+Publications/2016/812280+FieldStudyHeavy-VehicleCAS.PDF)
  - 4) Heavy Vehicle V2V
    - a) Final reports out on topics available on NHTSA website:
      - i) DOT HS 812 276 Commercial Connected Vehicle Test Procedure Development and Test Results – Intersection Movement Assist
      - ii) DOT HS 812 224 Independent Evaluation of Heavy-Truck Safety Applications Based on Vehicle-to-Vehicle and Vehicle-to-Infrastructure Communications Used in the Safety Pilot Model Deployment
    - b) NHTSA has also established a V2V Research Docket for all related reports: NHTSA-2015-0060 at [www.regulations.gov](http://www.regulations.gov)
  - 5) Q: AEB report in context of speed limiters, what type of vehicles?
    - a) A: All vehicles over 10,000 lbs
  - 6) Q: FOT, what kind of impact on passengers using seat belts? Planning to test on buses as well?
    - a) A: Unsure of plans with buses, each vehicle class will be considered before rulemaking

- 7) Comment: Agency would consider all benefits and costs of AEB (including safeguards for driver and passengers if automatic braking engages) in its decision for future rulemaking activities
- 8) Q: FOT ongoing or status update?
  - a) A: G1 system completed, final report available; G2 continuation of study
- 9) Q: anticipated rulemaking or testing on autonomous CMV?
  - a) A: process is ongoing

**10. NTSB Report – Rob Molloy (see presentation)**

- 1) Four (4) members
- 2) Completed Investigations
  - a) Truck / motorcoaches (speed limiter)
  - b) School bus (belts)
  - c) Prison bus (ran off road and hit by train)
- 3) Ongoing investigations
  - a) Students on school bus wearing seat belts not injured
  - b) Truck on railroad tracks hit by train (GPS units don't include railroad tracks)
  - c) Tractor trailer hit vehicles in work zone (fatigue and potential drug use)
  - d) Motorcoach carrying migrant workers, fatigued driver, hits overpass
  - e) Greyhound bus driving in poor visibility conditions, HOV exit (thought two lanes but was actually one)
  - f) Poor maintenance on propane tanker, explosion
  - g) Bus rollover, tractor trailer jackknife at same location-road repair but did not finish topcoat
  - h) Not wearing seatbelts in passenger van, illegal migrant workers (in VA with lax seatbelt laws)
  - i) Fatigued tractor trailer driver rear ends vehicle carrying migrant workers going 45 mph
  - j) Tesla goes underneath tractor trailer, motorcoach run off road, hits sign
- 4) Other projects
  - a) Pedestrian Safety Special Investigation Report
  - b) Rear Seat Special Investigation Report
  - c) Migrant Worker Report
  - d) Autonomous Vehicle Report

**11. CVSA Report – Will Schaefer**

- 1) Speed limiter Rule NPRM comments under works
- 2) Recent final rule from FMCSA responds to CVSA petitions
  - a) New rule defines major tread groove in which tread depth is measured
  - b) Lamps and reflective devices - license plate lamps only required if plate is required
  - c) Inspection, Repair, and Maintenance – clarifies deadline for carriers to make repairs
  - d) Periodic Inspections –roadside inspections no longer suffice as periodic or annual
  - e) Inspector qualifications – clarified
  - f) Appendix G – periodic inspections now require working ABS and automatic brake adjusters, prohibit speed restricted tires where operations exceed tire speeds, and prohibit non-secured, temporary motor coach seats

- 3) CVSA annual conference and exhibition Sept 18-22, Little Rock, AR
  - a) New OOS criteria 2017 items need to be wrapped up by late fall 2016
- 4) Two new CVSA committees
  - a) Policy and Regulatory Affairs
  - b) Enforcement and Industry Modernization
- 12. ABA Report – Brandon Buchanan**
  - 1) Implementation of a number of new things
  - 2) Seatbelts on new motorcoaches
  - 3) Industry groups
  - 4) Looking to expand safety research
  - 5) Idle truck modeling devices (benefits)
  - 6) Vehicle related rulemakings - rollover improvements, window glazing, weight
  - 7) Consistency - testing, enforcement, etc.
  - 8) New group - Bus maintenance repair council
  - 9) Annual Conference is January 14-17, 2017 in Cleveland
  - 10) Both the Bus Industry Safety Council and the Bus Maintenance & Repair Council will be meeting near Baltimore June 13-15. Open invitation to attend.
- 13. OODA Report – Tom Weakley**
  - 1) Disagree with FMCSA on ELDs
  - 2) Involved with most FMCSA initiatives
- 14. Subcommittee Reports**
  - 1) Any updates since the 2016 Annual Meeting and plans for the 2017 Annual Meeting
  - 2) Truck and Bus Operator Health and Wellness – Jeff Hickman
    - a) Unable to join, but no updates at this time
  - 3) Truck and Bus Safety Data Needs – Bob Scopatz
    - a) Developing ideas and research needs statements
    - b) Looking for volunteer to take over as Chair of this subcommittee
  - 4) Motorcoach Safety – Tom Yager
    - a) Subcommittee’s review with NTSB and NHTSA of recent bus crashes has been of interest and created useful discussions
    - b) Looking for volunteer to take over as Chair of this subcommittee
      - i) After the meeting, Charlie Vits volunteered
  - 5) Alternative Compliance – Brenda Lantz
    - a) Provide feedback / input for Beyond Compliance initiative
    - b) Looking for volunteer to take over as Chair of this subcommittee
  - 6) Technology – George Reagle
    - a) Suggest someone from DOT attend annual meeting and speak on cybersecurity, perhaps NHTSA?
    - b) AAA study through VTTI – looking at future and current safety technologies - when complete in approximately a year, suggest a presentation
  - 7) Driver Training – Tom Weakley
    - a) Suggestion that driver training committee be retired for a while
    - b) Another suggestion to expand topics of training to focus on anything truck/bus safety related, such as mechanics training

15. **Research Coordination/Needs Statements – Ron Knipling and Bob Scopatz**
  - 1) Web site at: <https://rns.trb.org>, and Truck & Bus Safety research needs at: <https://rns.trb.org/dproject.asp?n=36343>
  - 2) Only need a title and supporting sentence to suggest a research need
  - 3) If interested in becoming more involved in this effort, contact Ron or Brenda
16. **2017 Annual Meeting Activities and Plans – All**
  - 1) January 8-12, 2017 – Theme: “Transportation Innovation: Leading the way in an era of rapid change”
  - 2) Committee and Subcommittee meetings
  - 3) FMCSA sessions and Poster session
  - 4) Possible European and US comparative session
17. **Roundtable discussion – All**
  - 1) Recent research projects / topics of interest
18. **Additional Business and Announcements – All**
19. **Adjournment**