

**TRB Committee on Truck & Bus Safety (ANB70)
Annual Meeting
January 11, 2010
Marriot Wardman Park
1:30 pm – 5:30 pm**

Members in Attendance:

**Joel Ticatch, Chair
Andy Schaudt, Secretary
Richard Pain, TRB Staff Liaison
Bob Scopatz
Barbara Czech
Anne McCartt
Duane Perrin
Rebecca Brewster
Ed Miller
Steve Keppler
Brenda Lantz
Michael Belzer
Daniel Blower
Deborah Freund
Gerald Donaldson
Dave Melton
Ron Knipling
Gene Bergoffen
John Brock
Pierre Thiffault
Gerald Krueger**

Others in Attendance:

**Jan Birdsey
Don Osterberg
Ed Watt
Pierro Hirsch
Jimmy Calcagno
Joshua S. Fu
Julie Perrot
Jeffrey Miller
Charles Vits
Quon Kwan
Steve Johnson
Chris Janusz
Lori Mooren
Feng Guo
David Potts
Greer Woodruff
Paula Sind-Prunier
Jeffrey Burns
Steve Vaughn
Tom Weakley
Bill Knee
Achilleas Kourtellis
Chan Young Lee
Fran Bents**

**Quyen Pham
Racquel Pickett
Jane Stutts
Laura Blonar
Dan Murray
Stephanie Pratt
David Kraft
Karl Sieber
Cynthia Robinson
Jeff Hickman
Jim Funke
Peter Chen
David Goettee
Carmella Campanian
Stephen Brady
Doug Skorupski
Ron Hughes
Ralph Craft
Rafael Marshall
Chris Flanigan
Keenan Patmore
Garreth Rempel
Robert Milstead
Xiaoyu Zhu**

OPENING DISCUSSION

At 1:30 pm, Joel Ticatch called the meeting to order, welcomed members and guests, and opened the floor for self-introductions. After introductions, Joel spoke briefly on the history of the Truck and Bus Safety committee, first started as a task force, and shortly after becoming a committee. At this point, the committee is still fairly young. Initial activities included the drafting of the Truck and Bus Safety Circular which was completed in 2007. This was led by Ron Knipling. When the circular effort was complete, the committee moved on to focusing on committee organization and structure. Now the committee has multiple subcommittees, all of which will report in today's meeting. Joel mentioned that the committee has members from many areas and disciplines. Joel gave thanks to all who have contributed their time and efforts. A sign-in sheet and copies of committee-sponsored events for the annual meeting were passed

around to members and others in attendance. Joel also addressed some crucial scheduling issues that all in attendance should be aware of, both with the committee meeting organization as well as with the TRB Annual Meeting.

2009 PAPER SUBMISSIONS

This year twenty-eight papers were reviewed. Overall reviewers found the quality to be better than last year. Joel discussed important points to consider when writing papers for submission at TRB:

- Topics should make contributions to research
- Papers must be well-organized, well-written, and well-edited
- Authors should be thorough in their literature reviews
- Authors must use statistics appropriately

Some best papers will be presented at the Truck and Bus Safety Research poster session Tuesday evening from 7:30pm to 9:30pm. A small number will be published in the TRB Journal later this year. Some reviewers still need to go back and re-review (final review) some papers. This will need to be done early next week and Joel will contact those reviewers himself.

COMMITTEE MEMBERSHIP

Committee rotation is coming up this year. Approximately 1/3 of members will be rotated off the committee and we will invite new folks to join. This process will begin in February and end in April. A committee with TRB can hold 25 standing members, and may appoint additional young and international members on top of that. In the next 1-2 weeks, we will send out a questionnaire to current members requesting interest in continuing their service or leaving the committee. Deadline on submitting the questionnaire will be February 1. Other individuals and friends who are interested in general committee membership should submit a statement and a resume to Andy Schaudt by February 5.

The Young Members category is now defined as those 35 years of age or under at time of appointment. Currently there are several young member positions available. Rebecca Brewster has developed some flyers and those are available here today. The deadline for young member applications is January 22.

The International Members category also has openings. An international member is any individual not from the U.S. or Canada. We've had international committee members in the past, but there are none at this time. We are inviting submissions for that as well. Anyone interested in becoming an international member should submit a statement and a resume to Andy Schaudt by February 5. The committee can have up to 5 international members.

ANB70 COMMITTEE WEBSITE

The committee website is being constantly updated with new events, handouts, and other information that members and friends may find useful. If anyone has any suggestions for modifications or improvements, please contact Brenda Lantz or Andy Schaudt.

COMMERCIAL TRUCK & BUS SAFETY SYNTHESIS PROGRAM (CTBSSP)

Gene Bergoffen reported that four syntheses studies are underway. These studies are funded by FMCSA, and TRB is the contractor. A synthesis is a review of literature and state-of-the-art/practice for a particular topic. Surveys may also be conducted along with structured interviews.

The four active syntheses are:

- 1) CTBSSP MC-20 – Operator Drug and Alcohol Testing across Modes (second phase of peer review)
- 2) CTBSSP MC-19 – Chemical Substance Effects on Driving/Performance: Stimulants, Hypnotics, and Nutritional Aids (still under review)
- 3) CTBSSP MC-18 – Older Drivers: Do They Pose a Safety Risk? (under final panel review)
- 4) CTBSSP MC-21 – Special Safety Concerns of School Bus Drivers (in publication now)

There have been two new synthesis topics approved. John Williams and Donna Vlasak have developed a process in which a technical peer review panel reviews the work plan and makes adjustments before the work begins. Deadline for next year is May 3.

FMCSA UPDATES

The next point of order in the meeting was to hear from the two Federal Motor Carrier Safety Administration (FMCSA) committee members. The first to report was David Goetee in place of Martin Walker, who highlighted key projects currently under way at FMCSA:

The strategic areas outlined in the current strategic plan include:

- *Produce Safer Drivers*
- *Improve Safety of Commercial Motor Vehicles*
- *Produce Safer Carriers*
- *Enable and Motivate Internal Excellence*

The following discussion identifies significant accomplishments by the Office of Analysis, Research and Technology (ART) during FY 2009, and offers a preview of selected efforts currently underway.

Produce Safer Drivers:

- Driver Distraction in Commercial Vehicle Operations

- Pilot Test of Low-Cost Onboard Monitoring System (DriveCam)
- Defensive Driving Tips for Fleet Safety Managers and CMV Drivers Training Tool
- Assessment and Refinement of North American Fatigue Management Program (NAFMP)
- Investigation into Motor Carrier Practices to Achieve Optimal CMV Driver Performance
- SmartPark Truck Parking Availability System Field Operational Tests
- Skid Pad Project
- Motor Carrier Efficiency Study
- Wireless Roadside Inspection Proof-of-Concept (WRI POC)
- Santa Teresa, New Mexico Radio Frequency Identification (RFID) Field Operational Test
- Driver Fatigue, Distraction, and Alerting Technology
- Bus Operator Types and Driver Factors in Fatal Bus Crashes: Results from the Buses Involved in Fatal Accidents Survey

Improve Safety of CMVs:

- Assessment of Exposure Risks of Trucking Occupational Hazards Faced by CMV Drivers
- Identify Factors That Affect the Service Life of Cargo Tanks
- Onboard Safety System Benefit-Cost Analyses
- Onboard Safety System Industry Demographics Analysis Project
- Tracking the Use of Onboard Safety Technologies Across the Truck Fleet
- Fleet Study of Brake Performance and Tire-Pressure Sensors

Produce Safer Carriers:

- Pilot Test and Independent Evaluation of a National Employer Notification Service
- Efficacy of Web-Based Instruction for Training CMV Regulations and Best Practices Study
- HAZMAT Shipper Prioritization Study
- HAZMAT Serious Crash Analysis

New Initiatives:

- Onboard Monitoring Field Operational Test (FOT)
- Synthesis of Literature & Operating Safety Practices Relating to Cell Phone/PDAs Use in Commercial Truck and Bus Operations
- Driver Distraction in Commercial Trucks and Buses: Assessing Prevalence in Conjunction with Crashes and Near-Crashes
- Driver Fatigue, Distraction, and Alerting Technology
- Effectiveness of Fostering Safety Culture in Motor Carriers
- IntelliDrive Program
- Case-Control Commercial Driver Individual Differences Study
- Wireless Roadside Inspection Research Program
- Testing and Evaluation of Truck-Based Cargo Theft Technologies

For further detailed information on projects above from the Research Division, Technology Division, and Analysis Division, see the FMCSA Research Handout attached to these minutes (*FMCSA Research Handout_January 2010.pdf*).

The next FMCSA delegate to report was Deborah Freund from the Office of Policy. An overview of 2009 Rulemaking Activities is presented below:

Significant Regulatory and Related Activities: FMCSA

Final Rules:

RIN 2126-AB25

Requirements for Intermodal Equipment Providers and for Motor Carriers and Drivers Operating Intermodal Equipment

RIN 2126-AB16

Elimination of Route Designation Requirement for Motor Carriers Transporting Passengers Over Regular Routes

RIN 2126-AA25

General Jurisdiction Over Freight Forwarder Service

Notices of Proposed Rulemaking:

RIN 2126-AB19

Fees for the Unified Carrier Registration Plan and Agreement

DATES: Comment period was extended from Sept 18 to Sept 28, 2009.

Advanced Notices of Proposed Rulemaking:

RIN 2126-AB17

New Entrant Safety Assurance Process: Implementation of Section 210(b) of the Motor Carrier Safety Improvement Act of 1999

DATES: Send your comments on or before October 26, 2009.

For further detailed information on policy issues, see the FMCSA Policy Handout attached to these minutes (*FMCSA Policy Handout_January 2010.pdf*).

NTSB ACTIVITIES

Barbara Czech, Deputy Director, Investigations, Office of Highway Safety, National Transportation Safety Board, gave an update on recent truck and bus accident investigations. Completed investigations include the Mexican Hat, Utah motorcoach accident, on January 6, 2008, in which nine passengers were fatally injured; the Sherman, Texas motorcoach accident, on August 8, 2008, in which 17 passengers were fatally injured; and the Victoria, Texas

motorcoach accident, on January 2, 2008, in which one passenger was fatally injured. The final reports for these investigations can be found on the NTSB website http://www.nts.gov/Publictn/H_Acc.htm.

Barbara also briefed the committee on three accidents that the Board is currently investigating. These include the Dolan Springs, Arizona specialty bus accident, on January 30, 2009, in which 7 passengers were fatally injured, 13 passengers were ejected, and 2 passengers were partially ejected; the Miami, Oklahoma accident, on June 26, 2009, in which a truck-tractor semitrailer collided with 6 passenger vehicles, fatally injuring 10 of the occupants; and the Indianapolis, Indiana accident, on October 22, 2009, in which a tanker truck, loaded with propane, rolled over and caught fire, injuring the tanker driver and three occupants of nearby passenger vehicles.

TRB STAFF REPORT

Rick Pain handed out some flyers concerning an announcement of a commercial vehicle driver health and wellness conference. That flyer can be found attached to these minutes (*International Conference on Commercial Driver Health and Wellness.pdf*).

Rick also requested some feedback on the new process of uploading your presentations on the TRB website. There was some discussion generated of concern with this process in regards to copyright issues. Rick stated that these can be removed if the concerns are communicated.

SUBCOMMITTEE/TASK FORCE REPORTS

Driver Training Joint Subcommittee – John Brock provided a quick report. John Brock has provided notice that this will be his last year chairing the subcommittee and will be asking to be replaced. If anyone is interested, please contact Joel. This subcommittee had a meeting this morning where John raised the question if the subcommittee was still needed. Much discussion was generated from this question. The original idea was to take young driver training and research and in commercial driver training and bring them to a common forum. Overall the response was positive indicating that the subcommittee should continue. The subcommittee will be generating some research statements and also working on content for a possible circular.

Motorcoach Safety Organizational Subcommittee – Gerald Donaldson announced the subcommittee meeting that will take place Tuesday, January 12 from 1:30pm to 3:15pm and everyone is welcome to attend. Also, if anyone is interested in becoming a member, please provide Jerry with your information.

Truck and Bus Data Subcommittee – Robert Scopatz stated that the subcommittee meeting that will be held immediately following the current committee meeting will include discussion of 3 research problem statements that have recently been generated. Also to be discussed will be the potential for the Subcommittee to sponsor a session at TRB next year.

Alternative Compliance Subcommittee – Gene Bergoffen reported that a research plan has been developed and is currently under review by subcommittee members. Currently the main

objective of the subcommittee is to update the synthesis since its publication. The subcommittee also wishes to announce that if anyone is interested in getting involved to please contact Gene.

Truck and Bus Operator Health and Wellness Subcommittee – Jerry Krueger stated the four purposes of the subcommittee:

- Raise visibility of importance of Health and Wellness issues within TRB research community
- Promulgate commercial driver Health and Wellness research findings; highlight research recommendations
- Foster more research on Health and Wellness related to Truck and Bus Safety Concerns

Jerry gave a quick update on activities from 2009 and the slides can be found attached to these minutes (*ANB70 Health Wellness Slides_January 2010.pdf*).

----Ten Minute Break -----

RESEARCH NEEDS STATEMENTS

Currently Roger Clarke has received approximately 7-8 research needs statements, which are currently under review. In the next couple of weeks committee members can expect to receive copies of these statements for comment.

According to TRB procedures, the committee will need to revalidate these statements every 3 years or they will be automatically removed.

SAFETY EXPERT SURVEYS

Ron Knipling discussed two planned CTBSSP projects which are not yet under contract, but are expected to start soon. MC-22 (Risk Avoidance Strategies) will deal with roadway and operational risks which carriers could reduce by internal risk assessment and better driver and vehicle deployment practices. MC-23 (Driver Selection Tests & Measurements) will address personal driver risk factors (e.g., personality, physical, medical) and tests carriers could administer to assess them during driver selection. Both projects will involve safety managers and other expert surveys; ANB70 members and friends will receive survey forms via e-mail. Completion and return of the forms, which will take about 15 minutes each, would be greatly appreciated.

OTHER BUSINESS

Pierre Thiffault is currently leading a Human Factors Commercial Motor Vehicle Task Force in Canada that will be drafting a preliminary report on investigation of driver errors. He plans on sharing this with the committee next year.

Ron Knipling requested expressions of interest in establishing a DC-area truck safety society modeled after the Potomac Human Factors Society. It would be a social, professional networking society, possibly meeting five times each year for dinner. Ron will send out an email requesting further interest.

ANNOUNCEMENTS

None.

PRESENTATIONS

Fostering a Culture of Safety within Motor Carriers: David Goettee, FMCSA. Slides from this presentation can be found attached to these minutes (*Goettee_Safety Culture_January 2010.pdf*).

Enhanced Rear Signaling for Heavy Trucks: Andy Schaudt, VTTI. For further information on this presentation please see the presentation handout attached to these minutes (*Schaudt_Rear Signaling_January 2010.pdf*).

Adjournment @ 4:30pm