

## **CTBSSP 2011 Quarterly Report**

**07/01/11-09/30/11**

The Commercial Truck and Bus Safety Synthesis Program (CTBSSP) is a cooperative research effort sponsored by the Federal Motor Carrier Safety Administration (FMCSA) and administered by the Transportation Research Board (TRB) that initiates two to four synthesis topic studies annually. For each topic the project objectives are: (1) to locate and assemble documented information; (2) to learn what practice has been used for solving or alleviating the problem; (3) to identify all ongoing research; (4) to learn what problems remain largely unsolved; and (5) to organize, evaluate, and document the useful information that is acquired.

Following the program Oversight Committee's selection of topics, an agreement is negotiated with a consultant to gather information on the topic, synthesize it, and draft a report. Typically, the agreement covers a period of 10 months. Information gathering and preparation of the first draft of the synthesis report is reviewed by an expert topic panel. A second draft report is subsequently submitted and reviewed, simultaneously, by the topic technical panel and the Oversight Committee. A final report is prepared, edited, and published in the CTBSSP synthesis series.

### **Nineteen CTBSSP Syntheses have been published thus far:**

1. Effective Commercial Truck and Bus Safety Management Techniques (2003)
2. Security Measures in the Commercial Trucking and Bus Industries (2003)
3. Highway/Heavy Vehicle Interaction (2003)
4. Individual Differences and the "High-Risk" Commercial Driver (2004)
5. Training of Commercial Motor Vehicle Drivers (2004)
6. Operational Differences and Similarities among the Motorcoach, School Bus, and Trucking Industries (2005)
7. Motorcoach Industry Hours of Service and Fatigue Management Techniques (2005)
8. Commercial Motor Vehicle Driver Safety Belt Usage (2005)
9. Literature Review on Health and Fatigue Issues Associated with Commercial Motor Vehicle Driver Hours of Work (2005)
10. Alternative Truck and Bus Inspection Strategies (2006)
11. Impact of Behavior-Based Safety Techniques on Commercial Motor Vehicle Drivers (2007)
12. Commercial Motor Vehicle Carrier Safety Management Certification (2007)
13. Effectiveness of Commercial Motor Vehicle Driver Training Curricula and Delivery Methods (2007)
14. The Role of Safety Culture in Preventing Commercial Motor Vehicle Crashes (2007)
15. Health and Wellness Programs for Commercial Drivers (2007)
16. Safety Impacts of Speed Limiter Device Installations on Commercial Trucks and Buses (2009)
17. Special Safety Concerns of the School Bus Industry (2010)
18. Older Drivers: Do They Pose a Safety Risk? (2011)

19. Effects of Psychoactive Chemicals on Commercial Driver Health and Performance: Stimulants, Hypnotics, Nutritional, and Other Supplements (2011)

**One last synthesis topic selected for study in 2008, as well as topics selected in 2009 and 2010 are progressing through final stages. Two 2011 topic draft reviews are well underway. Project work on the active topics is proceeding along as follows:**

1. CTBSSP MC-20/2008 -- Operator Drug and Alcohol Testing Across Modes

The final draft has been reviewed and submitted for editing.

2. CTBSSP MC-22/2009 Safety Effects of Motor Carrier Efficiencies

The document is in publication, scheduled for November 9.

3. CTBSSP MC-23/2009 Driver Selection Tests and Measurement

The final draft has been submitted for editing.

4. CTBSSP MC-24/2010 Distracted Driving—Successful Practices for Commercial Vehicles

Expert panel review of the first draft is underway.

5. CTBSSP MC-25/2010 Safety Management in Small Companies

CTBSSP Oversight Committee review is underway.

The following *Milestones Chart* summarizes program status for current work:

**Commercial Truck and Bus Safety Synthesis Program  
Milestones 09/11**

			MC-19	MC-20	MC-22	MC-23	MC-24	MC-25
1	Notice to Proceed	Complete	02/29/08	02/29/08	01/22/10	01/22/10	01/19/11	01/19/11
2	Work Plan	Submitted	03/31/08	03/31/08	01/26/10	01/26/10	02/28/11	01/19/11
3	Review	Complete	04/30/08	04/30/08	06/01/10	06/01/10	03/31/11	03/31/11
4	1 <sup>st</sup> Draft Report	Submitted	05/28/09	01/12/11	11/19/10	10/27/10	10/01/11	08/15/11
5	Expert Panel Review	Complete	(none)	03/14/11	4/22/11	4/25/11	10/25/11	09/12/11
6	2 <sup>nd</sup> Draft Report	Submitted	(none)	6/30/11	4/27/11	6/17/11		10/19/11
7	Review, Expert Panel & Committee	Complete	06/12/09	09/09/11	6/8/11	10/13/11		11/21/11
8	Final Draft Report	Submitted	09/30/10	10/31/11	6/10/11	10/21/11		
9	Published Report	Due	05/30/11	12/31/11	11/09/11	12/31/11	12/31/11	12/31/11
		Complete	06/03/11					