



U.S. Department  
of Transportation  
**National Highway  
Traffic Safety  
Administration**

DEPT. OF TRANSPORTATION

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# Memorandum

NHTSA-99-5218-8

Subject: Submittal of Meeting Minutes of the NHTSA R&D  
Event Data Recorder (EDR) Working Group to Docket  
No. NHTSA-99-5218

Date: MAR 18 2000

From: *Joseph P. O'Keefe*  
Raymond P. Owings, Ph.D.  
Associate Administrator for  
Research and Development

Reply to  
Attn. of: NRD-01

To: The Docket

*John Womack*  
THRU: John Womack  
Acting Chief Counsel

Attached are the FINAL and Approved meeting minutes of the NHTSA Research and Development Event Data Recorder (EDR) Working Group meeting held on December 6, 2000.

Related meeting history:

Meeting #	Sponsor	DATE
1	MVSRAC	October 2, 1998
2	MVSRAC	February 17, 1999
3	MVSRAC	June 9, 1999
4	MVSRAC	October 6, 1999
5	NHTSA R&D	February 2, 2000
6	NHTSA R&D	June 7, 2000
7	NHTSA R&D	December 6, 2000

Research and Development requests that the minutes of this meeting be placed in the public docket.

Attachments



**NHTSA Research and Development  
Event Data Recorder Working Group  
Meeting #7**

**FINAL Minutes  
Wednesday, December 6, 2000  
9:30 AM - 3:00 PM  
NHTSA Headquarters  
Washington, DC**

The Event Data Recorder (EDR) Working Group held its seventh meeting on December 6, 2000, at NHTSA headquarters in Washington, DC. The main purpose of the meeting was to:

- **Work on the Final Report**
- **What is Next for Working Group**

### **1.0 Welcome, Introduction, and Approval of Previous Meeting Minutes**

The meeting was chaired by John Hinch. The agenda for the meeting is included as **Attachment 1**. A list of the meeting attendees is found in **Attachment 2**. The meeting was called to order by John Hinch, who welcomed everyone to the meeting, including a round of self-introductions.

The minutes from the June 2000, meeting were approved and along with the attachments will be placed in the Document Management System (DMS), under NHTSA 1999 docket number 5218. You can review this information using the DMS at <http://dms.dot.gov/>.

### **2.0 Presentations**

There were two presentations made to the working group.

#### **2.1 Tom Kowalick**

During 1999, Tom Kowalick sponsored a class from June 16 through July 28, 1999 on EDRs at Sandhills Community College located in Pinehurst, North Carolina. 71 students authored the following report: "Perceptions of College Students Regarding Utilization of Transportation Recorders in The Highway Mode." A copy of the 127 slides summarizing this work will be placed in the docket with these minutes, but are not included here because of the large number. A copy of the complete student paper is found at: <http://198.85.71.78/research/recorders.pdf>

#### **2.2 Independent Witness Incorporated**

Luther Perkins, Scott McClellan and Nancy Roberson, Independent Witness Incorporated, presented data regarding their EDR technology. Details regarding this company can be found at its web site: <http://iwiwitness.com/>

#### **2.3 Evicam**

A copy of an e-mail from Jeffrey Scaman, Evicam, was distributed by John Hinch, regarding Evicam. Jeff indicated the Evicam is developing a secure, vehicle mounted incident recording system which captures vehicle data inputs and multiple, digital video camera feeds at the moments leading up to, including and in some cases following a crash. The device also captures multiple views surrounding a crash for superior accident analysis, and has a crash-proof, fireproof and tamper-proof safe box,

advanced encryption methods and multiple download options. Details regarding this company can be found at its web site: <http://www.evicam.com/>

### **3.0 Definitions**

The working group discussed the need for developing a set of definitions for inclusion in the final report. After some discussion, it was decided to document the relevant definitions found in the literature, but the working group did not have sufficient time to develop a set of definitions.

The following definitions were distributed during the meeting. They were taken from TMC draft proposed Engineering Recommended Practice for Vehicle Event Recording.

An EVENT is anything of interest that may occur during the operation of the vehicle

An INCIDENT is any event in which the safety of the vehicle or any person is threatened

A TRIGGER is either any data parameter that exceeds a predefined threshold or external input. A trigger initiates the capture of data

CAPTURE is the process of saving recorded data

The working group agreed to document other terms in the final report, provides appropriate reference.

### **4.0 Final Report Review**

#### **4.1 Review**

The working group conducted a section by section review of the working draft #1. Each member of the working group agreed to document their own comments and submit them to John Hinch for inclusion in the next version of the draft. **Your comments are due by January 1, 2001.** If you need a copy of working draft #1, please let John Hinch know.

#### **4.2 Review Schedule**

The working group agreed to the following time table for Due Dates for Review Inputs

- Working Draft #1 Jan 1, 2001
- Working Draft #2 Mar 1, 2001
- Final Draft May 1, 2001

#### Version Delivery Dates

- Working Draft #2 Feb 1, 2001
- Final Draft Apr 1, 2001
- Final Jun 1, 2001

#### **4.3 Review Communication Protocol**

The working group discussed communication protocols for reviewing the final report. If you want to be involved in reviewing the next version of the report, you need to let John Hinch know, as well as the preferred way to have it distributed to you, e-mail attachment, Fax, USPS. Please provide John Hinch your current appropriate address.

Attachments

# AGENDA

## Event Data Recorder Meeting #7

9:30 a.m. - 4:00 p.m. - Wednesday, December 6, 2000

Rooms 6200-6202 NASSIF Building; 400 7<sup>th</sup> Street S.W.; Washington DC 20590

### Working Group Objective

Facilitate the collection & utilization of collision avoidance and crashworthiness data from on-board EDRs.

### Meeting Objectives:

Work on the Final Report

What is Next for Working Group

### Morning

- 9:30 Welcome and Introductions
- 9:45 Review and Approval of June 2000, Meeting Minutes
- 10:00 Presentations?  
→ Tom Kowalick may Present a Summary of a Report on EDRs done by Students from his School  
→ Independent Witness Incorporated - J Hinch will brief on a meeting with this company
- 10:30 Definitions  
→ Do We Want to Establish a Set of Definitions?  
→ Similar to TMCs  
→ Review TMC's Set
- 11:00 Start Review of Current Working Draft Report  
→ Section/Sub-section Review  
→ Corrections  
→ Concerns  
→ Identify Holes
- 12-1:15 Lunch on Your Own

### Afternoon

- 1:15 Continue Review / Discussion for New Sections for Report  
→ Make Writing Assignments
- 2:15 Findings
- 3:00 Group Discussion
- **Future Draft Review Process**
- Due Dates for Review Inputs
- Working Draft #1 Jan 1, 2001
  - Working Draft #2 Mar 1, 2001
  - Final Draft May 1, 2001
- Possible Version Delivery Dates
- Working Draft #2 Feb 1, 2001
  - Final Draft Apr 1, 2001
  - Final Jun 1, 2001
- Who wants to be on the Review Panel?  
Input for each draft
- How do We Reach Final Closure?  
→ Are Sign-offs Needed?
- 3:30 What Should the EDR Working Group Do Next?  
→ Any Interest in Supporting a SAE Committee?  
→ Other Ideas?
- 3:50 Do We Need Another Meeting?

## 2. Event Data Recorder Working Group - Meeting #7; Meeting Attendees

Raul Arbelaez	IIHS
Bob Cameron	VW of North America
Alan German	Transport Canada
Doug Gurin	NHTSA, TSP
John Hinch	NHTSA, R&D
Jack Howlett	LMS
Dick Humphrey	GM
Tom Kowalick	Click, Inc
Lou Lombardo	NHTSA, R&D
Andy Mackevicns	LMS
Scott McClellan	IWI
Sarah McComb	NTSB
Chuck Niessner	TRB
Luther Perkins	IWI
Tony Reynolds	VDO
Nancy Roberson	IWI
Gerald Stewart	NHTSA, NPS