



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

Memorandum

Subject: DP14-003 Toyota Corolla Petition
WebEx Meeting

Date: September 30, 2014

From: Stephen McHenry
Investigator

Reply to
Attn. of:

To: DP14-003 Internal File

On September 30, 2014 ODI and Toyota conducted a WebEx meeting to review information related to DP14-003. The material presented by Toyota was presented voluntarily. A copy of the WebEx is attached. Confidentiality was not requested by Toyota.

Participants were:

Jeff, Quandt, Division Chief Vehicle Control Division
Stephen McHenry, Investigator, VCD
Bill Collins, Engineer, VRTC
Duane Stoltzfus, Engineer, VRTC
Jessica Riffe, Toyota
Harold Clyde, Toyota
Matt Collins, Toyota
Takeharu Nishida, Toyota
Abbas Saadat, Toyota.

McHenry, Stephen (NHTSA)

From: Jessica Riffe (TMS) <jessica_riffe@toyota.com>
Sent: Tuesday, October 07, 2014 10:01 AM
To: McHenry, Stephen (NHTSA)
Subject: RE: DP14-003

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Mr. McHenry,

We did not submit the PowerPoint requesting confidentiality. The content, such as the EDR summary has already been shared outside the company.

The attendees for the meeting were:

1. Jessica Riffe
2. Harold Clyde
3. Matt Collins
4. Takeharu Nishida
5. Abbas Saadat

Thanks,
Jessica Riffe
Assistant Manager
Vehicle Safety & Compliance Liaison Office (VSCLO)
Toyota Motor Engineering & Manufacturing, North America (TEMA)
19001 S. Western Avenue
Torrance, CA 90501
Ph: 310-468-6116
Cell: 310-218-6550

From: Stephen.McHenry@dot.gov [<mailto:Stephen.McHenry@dot.gov>]
Sent: Tuesday, October 07, 2014 5:52 AM
To: Jessica Riffe (TMS)
Subject: RE: DP14-003

Jessica,

Thank you for sending the information. Did you want the PowerPoint slide submitted for Confidentiality? Also, could you please send me a list of all of your people that were in on the WebEx.

Thanks

Steve

From: Jessica Riffe (TMS) [mailto:jessica_riffe@toyota.com]
Sent: Friday, October 03, 2014 8:10 PM
To: McHenry, Stephen (NHTSA)
Cc: Quandt, Jeff (NHTSA); Matthew D Collins (TMS); Dan Kim
Subject: DP14-003

2010 Corolla Incident FTR-I and EDR Discussion

Incident Description

- 2010 Corolla
 - VIN: 2T1BU4EE0AC [REDACTED]
- Incident location: Burnside St., Bristol, RI
- Description: Date June 8, 2014. The customer was approaching an intersection when the incident happened. She began to turn right at approximately ten mile[s] per hour in order to park the vehicle at the corner of the intersection which was in a residential neighborhood. She states that she gently applied the accelerator then the brake and states that that the vehicle quickly accelerated as her foot was on the brake pedal. She struck the rear of a parked vehicle.
- Injuries: none

Toyota Inspection

- Date: 6/24/14
- Location: Dartmouth Toyota
- Mileage: 62,180
- Static and dynamic inspection performed
 - Vehicle was driven 16 miles during inspection
 - No DTCs related to engine performance
 - Throttle operating normally
 - Brakes operating normally
 - Driver carpeted mat was found secured
 - Unable to duplicate customers concern





Event Data Recorder (EDR) Results

CDR File Information

User Entered VIN	2T1BU4EE0AC [REDACTED]
User	[REDACTED]
Case Number	AC346128
EDR Data Imaging Date	06/24/2014
Crash Date	06/08/2014
Filename	2T1BU4EE0AC [REDACTED] EDR_ACM.CDRX
Saved on	Tuesday, June 24 2014 at 09:15:53
Collected with CDR version	Crash Data Retrieval Tool 12.3
Reported with CDR version	Crash Data Retrieval Tool 14.0.1
EDR Device Type	Airbag Control Module
Event(s) recovered	Front/Rear (1), Side (1)

System Status at Time of Retrieval

ECU Part Number	89170-02760
ECU Generation	02EDR
Recording Status, All Pages	Complete
Diagnostic Trouble Codes Exist	No
Total Number of Front/Rear Crash Events	1
Freeze Signal	OFF

Front/Rear Event Record Summary at Retrieval

Events Recorded	TRG Count	Crash Type	Time (msec)	Event & Crash Pulse Data Recording Status
Most Recent Frontal/Rear Event	1	Front/Rear Crash	0	Complete (Front/Rear Page 0)

System Status at Front Airbag Deployment

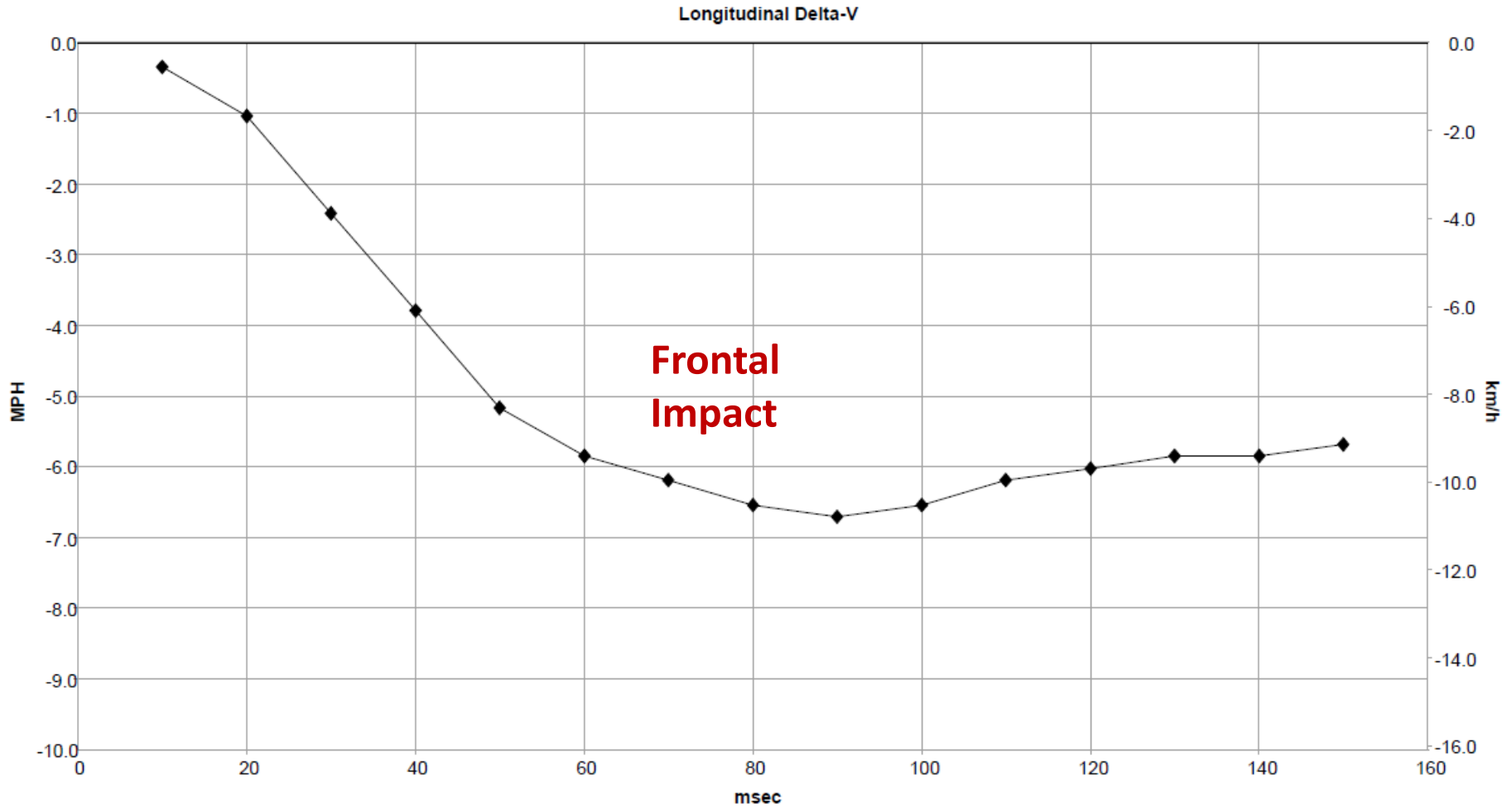
Time to Deployment Command, Front Airbag, Driver (msec)	Not Commanded
Time to Deployment Command, Front Airbag, Passenger (msec)	Not Commanded
Event Severity Status, Driver	N/A
Event Severity Status, Passenger	N/A

System Status at Event (Most Recent Frontal/Rear Event, TRG 1)

Recording Status, Front/Rear Crash Info.	Complete
TRG Count	1
Time From Previous TRG (msec)	5000 or greater
Time from Pre-Crash to TRG (msec)	800
Buckle Switch, Driver	Buckled
Buckle Switch, Passenger	Unbuckled
Occupancy Status, Passenger	AM50
Seat Position, Driver	Rearward
Shift Position	Drive

Longitudinal Crash Pulse (Most Recent Frontal/Rear Event, TRG 1 - table 1 of 2)

Max Longitudinal Delta-V (MPH [km/h]) -6.7 [10.8]



EDR Pre-Crash Data

DTCs Present at Start of Event (Most Recent Frontal/Rear Event, TRG 1)

Ignition Cycle Since DTC was Set (times)	0
Airbag Warning Lamp ON Time Since DTC was Set (min)	0
Diagnostic Trouble Codes	None

Pre-Crash Data, -5 to 0 seconds (Most Recent Frontal/Rear Event, TRG 1)

Time (sec)	-4.8	-3.8	-2.8	-1.8	-0.8	0 (TRG)
Vehicle Speed (MPH [km/h])	3.7 [6]	3.7 [6]	3.7 [6]	3.7 [6]	5 [8]	7.5 [12]
Brake Switch	OFF	OFF	OFF	OFF	OFF	ON
Accelerator Rate (V)	0.78	0.78	0.86	0.78	0.78	0.78
Engine RPM (RPM)	800	800	800	800	800	1,600
Pre-Crash Data Status *	Valid	Valid	Valid	Valid	Valid	Valid

* "Invalid" may be set for M/T vehicle

Data Limitations

CDR Record Information:

- Due to limitations of the data recorded by the airbag ECU, such as the resolution, data range, sampling interval, time period of the recording, and the items recorded, the information provided by this data may not be sufficient to capture the entire crash.
- Pre-Crash data is recorded in discrete intervals. Due to different refresh rates within the vehicle's electronics, the data recorded may not be synchronous to each other.