December 22, 2016

California Department of Motor Vehicles
Occupational Licensing Compliance Section
2415 1st Ave., Mail Station S441
Sacramento, CA 95818

RE: Autonomous Vehicle Tester Program Annual Disengagement Report

Dear Sir or Madam:

Enclosed please find the disengagement report for Cruise's registered autonomous vehicles. We provide this report as required by California Code of Regulations Title 13, Article 3.7, Section 227.46.

This report covers the period from the date of issuance of Cruise's Manufacturer's Testing Permit, June 16, 2015, to November 30, 2016. It addresses (a) miles driven in autonomous mode on public roads in California and, during such driving, (b) deactivations of the autonomous mode when a failure of the autonomous technology was detected or when the safe operation of the vehicle required that the autonomous vehicle test driver disengage the autonomous mode and take immediate manual control of the vehicle.

Mileage data is collected from exacting urban driving in San Francisco, and all testing addressed by this report was performed on city streets. Disengagements were immediate when the safe operation of the vehicle required that the autonomous vehicle test driver disengage the autonomous mode and take immediate manual control of the vehicle. Disengagements made as a result of a failure of the autonomous technology being detected were all made within 1 second of the test driver being alerted of the technology failure.

Please feel free to contact me if you have any questions regarding the report.

Sincerely,

Sasha Ostojic
SVP Engineering

Vehicles used for testing		
Name	Year, Make, and Model	License
Polarbear	2017 Chevrolet Bolt	45257-6C
Platypus	2017 Chevrolet Bolt	45257-42C
Caracal	2017 Chevrolet Bolt	45257-33D
Charlie	2017 Chevrolet Bolt	45257-43D
Osprey	2017 Chevrolet Bolt	45257-29D
Cheetah	2017 Chevrolet Bolt	45257-62E
Lynx	2017 Chevrolet Bolt	45257-13C
Leopard	2017 Chevrolet Bolt	4257-81C
Moa	2017 Chevrolet Bolt	45257-9C
Redwolf	2017 Chevrolet Bolt	45257-57D
Pronghorn	2017 Chevrolet Bolt	45257-78C
Beluga	2017 Chevrolet Bolt	45257-73E
Mongoose	2017 Chevrolet Bolt	45257-60D
Macaw	2017 Chevrolet Bolt	45257-61D
Penguin	2017 Chevrolet Bolt	45257-70C
Tamarin	2017 Chevrolet Bolt	45257-75G
Numbat	2017 Chevrolet Bolt	45257-72G
Albatross	2017 Chevrolet Bolt	45257-98D
Wombat	2017 Chevrolet Bolt	45257-72D
Antelope	2017 Chevrolet Bolt	45257-78B
Scarlet	2012 Nissan Leaf	7LRW694
Quicksilver	2012 Nissan Leaf	6UZM026
Ironman	2016 Nissan Leaf	7PFK602
Gargoyle	2016 Nissan Leaf	7PFK600
Storm	2016 Nissan Leaf	7PFK939

Total autonomous miles	
Month and year	Autonomous miles
June 2015	4.74
July 2015	2.89
August 2015	15.91
September 2015	12.33
October 2015	132.87
November 2015	70.44
December 2015	46.22
January 2016	60.83

February 2016	98.34
March 2016	170.89
April 2016	256.15
May 2016	200.03
June 2016	390.97
July 2016	570.37
August 2016	1672.3
September 2016	2278.52
October 2016	1747.06
November 2016	2284.35

Autonomous miles per month per vehicle

	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16
scarlet	4.74		15.91	10.89	132.75		15.11	43.89	65.6	6.57	0.01							
quicksilver		2.89		1.44	0.12	70.44	31.11	7.47										
ironman								9.47	32.74	116.92	121.32		69.08	111.31	33.60			
gargoyle										47.4	113.31		80.29	109.30	132.43			
storm											21.51		50.66	20.22	86.92			
polarbear																	37.62	152.12
platypus															273.63	381.07	205.22	39.6
caracal														18.67	299.02	338.29	200	46.68
charlie														43.62	228.22	332.37	106.38	0
osprey															135.11	300.03	225.23	36.86
cheetah													21.67	203.16	89.21	275.53	175.05	0
lynx															223.41	277.3	253.65	0
leopard													128.47	51.97	63.87	197.8	23.29	0
moa															147.75	112.41	166.95	241.11
redwolf															0	52.44	196.91	90.96
pronghorn															212.08	11.28	55.44	265.21
beluga															0	0	61.09	249.36

mongoose																								0	0	40.23	271.8
macaw																								0	0	0	257.1
penguin																								0	0	0	210.43
tamarin																								0	0	0	159.64
numbat																								0	0	0	98.42
albatross																								0	0	0	98.39
wombat																								0	0	0	59.41
antelope																								0	0	0	7.26

June 2015 detail	
Total miles driven in autonomous mode	4.74
Qualifying disengagements	0

July 2015 detail		
Total miles driven in autonomous mode	2.89	
Qualifying disengagements	0	

August 2015 detail		
Total miles driven in autonomous mode	15.91	
Qualifying disengagements	4	
Disengagements detail		
Date	Time	Causal factors
2015-08-18	15:00	Planned test, to address planning
2015-08-18	15:51	Planned test, to address planning
2015-08-18	16:23	Planned test, to avoid unexpected behavior
2015-08-19	14:31	Planned test, to avoid unexpected behavior

September 2015 detail		
Total miles driven in autonomous mode	12.33	
Qualifying disengagements	10	
Disengagements detail		

Date	Time	Causal factors
2015-09-01	13:59	Planned test, to address planning
2015-09-09	13:31	Planned test, to address planning
2015-09-23	13:30	Planned test, to address planning
2015-09-23	13:31	Planned test, to address planning
2015-09-23	13:32	Planned test, to address planning
2015-09-23	13:34	Planned test, to address planning
2015-09-23	13:34	Planned test, to address planning
2015-09-23	13:35	Planned test, to address planning
2015-09-23	13:37	Planned test, to address localization
2015-09-23	13:37	Planned test, to address planning

October 2015 detail		
Total miles driven in autonomous mode	132.87	
Qualifying disengagements	63	
Disengagements detail		
Date	**Time**	**Causal factors**
2015-10-05	18:44	Planned test, to address planning
2015-10-05	18:50	Planned test, to address planning
2015-10-06	16:14	Planned test, to address planning
2015-10-06	16:20	Planned test, to avoid unexpected behavior
2015-10-07	14:42	Planned test, to address planning
2015-10-07	14:46	Planned test, to address planning
2015-10-08	14:23	Planned test, to address hardware
2015-10-08	14:50	Planned test, to address hardware
2015-10-08	14:56	Planned test, to address hardware
2015-10-08	15:00	Planned test, to address hardware
2015-10-08	15:04	Planned test, to address localization
2015-10-09	15:03	Planned test, to address localization
2015-10-09	15:17	Planned test, to address localization
2015-10-09	15:19	Planned test, to address localization
2015-10-09	17:18	Planned test, to address localization
2015-10-12	17:01	Planned test, to avoid unexpected behavior

2015-10-12	15:12	Planned test, to address planning
2015-10-12	19:45	Planned test, to address localization
2015-10-12	19:55	Planned test, to avoid unexpected behavior
2015-10-15	13:12	Planned test, to avoid unexpected behavior
2015-10-15	19:20	Planned test, to address localization
2015-10-15	22:34	Planned test, to address localization
2015-10-15	22:37	Planned test, to avoid unexpected behavior
2015-10-15	22:38	Planned test, to avoid unexpected behavior
2015-10-16	14:38	Planned test, to address localization
2015-10-16	16:44	Planned test, to avoid unexpected behavior
2015-10-16	16:52	Planned test, to avoid unexpected behavior
2015-10-16	17:01	Planned test, to address localization
2015-10-19	19:57	Planned test, to avoid unexpected behavior
2015-10-20	13:05	Planned test, to address hardware
2015-10-20	13:30	Planned test, to address planning
2015-10-20	13:34	Planned test, to avoid unexpected behavior
2015-10-20	13:35	Planned test, to address localization
2015-10-20	16:31	Planned test, to avoid unexpected behavior
2015-10-20	16:32	Planned test, to address localization
2015-10-20	16:36	Planned test, to address localization
2015-10-20	16:51	Planned test, to avoid unexpected behavior
2015-10-20	17:04	Planned test, to address unexpected behavior
2015-10-20	20:23	Planned test, to address localization
2015-10-20	21:35	Planned test, to address planning
2015-10-20	21:38	Planned test, to address planning
2015-10-20	22:15	Planned test, to address unexpected behavior
2015-10-21	14:55	Planned test, to address unexpected behavior
2015-10-21	16:45	Planned test, to avoid unexpected behavior
2015-10-21	16:47	Planned test, to avoid unexpected behavior
2015-10-21	17:27	Planned test, to address perception
2015-10-21	17:28	Planned test, to address perception
2015-10-21	19:22	Planned test, to avoid unexpected behavior
2015-10-21	19:32	Planned test, to address unexpected behavior

Date	Time	Causal factors
2015-10-21	19:32	Planned test, to avoid unexpected behavior
2015-10-21	22:48	Planned test, to address unexpected behavior
2015-10-21	22:51	Planned test, to address unexpected behavior
2015-10-22	0:14	Planned test, to address unexpected behavior
2015-10-22	2:13	Planned test, to address perception
2015-10-22	11:18	Planned test, to avoid unexpected behavior
2015-10-22	15:22	Planned test, to address localization
2015-10-22	15:31	Planned test, to address perception
2015-10-23	13:48	Planned test, to address localization
2015-10-28	12:03	Planned test, to avoid unexpected behavior
2015-10-28	12:05	Planned test, to avoid unexpected behavior
2015-10-29	11:55	Planned test, to avoid unexpected behavior
2015-10-29	11:55	Planned test, to avoid unexpected behavior
2015-10-30	13:39	Planned test, to avoid unexpected behavior

November 2015 detail		
Total miles driven in autonomous mode	70.44	
Qualifying disengagements	26	
Disengagements detail		
Date	Time	Causal factors
2015-11-11	20:18	Planned test, to avoid unexpected behavior
2015-11-12	15:52	Planned test, to address localization
2015-11-12	13:49	Planned test, to avoid unexpected behavior
2015-11-12	13:49	Planned test, to address unexpected behavior
2015-11-12	13:59	Planned test, to avoid unexpected behavior
2015-11-12	13:59	Planned test, to address perception
2015-11-12	14:50	Planned test, to avoid unexpected behavior
2015-11-12	16:33	Planned test, to address perception
2015-11-12	16:33	Planned test, to avoid unexpected behavior
2015-11-12	16:34	Planned test, to address perception
2015-11-12	16:40	Planned test, to address perception
2015-11-12	16:41	Planned test, to address perception
2015-11-12	21:13	Planned test, to avoid unexpected behavior

2015-11-12	21:20	Planned test, to address localization
2015-11-12	21:37	Planned test, to address planning
2015-11-12	21:42	Planned test, to avoid unexpected behavior
2015-11-12	21:43	Planned test, to avoid unexpected behavior
2015-11-12	23:14	Planned test, to address unexpected behavior
2015-11-12	23:15	Planned test, to address unexpected behavior
2015-11-12	23:20	Planned test, to address unexpected behavior
2015-11-12	23:22	Planned test, to avoid unexpected behavior
2015-11-13	11:09	Planned test, to avoid unexpected behavior
2015-11-13	11:11	Planned test, to address perception
2015-11-13	15:38	Planned test, to avoid unexpected behavior
2015-11-17	12:46	Planned test, to address localization
2015-11-24	17:49	Planned test, to avoid unexpected behavior

December 2015 detail		
Total miles driven in autonomous mode	46.22	
Qualifying disengagements	32	
Disengagements detail		
Date	Time	Causal factors
2015-12-02	14:10	Planned test, to avoid unexpected behavior
2015-12-04	10:17	Planned test, to address localization
2015-12-04	10:54	Planned test, to address perception
2015-12-04	10:59	Planned test, to address perception
2015-12-04	11:19	Planned test, to address perception
2015-12-04	12:30	Planned test, to address unexpected behavior
2015-12-06	14:44	Planned test, to address perception
2015-12-06	18:09	Planned test, to address planning
2015-12-08	12:19	Planned test, to address planning
2015-12-08	22:36	Planned test, to avoid unexpected behavior
2015-12-08	22:39	Planned test, to address localization
2015-12-08	22:41	Planned test, to address localization
2015-12-08	22:47	Planned test, to address localization

2015-12-09	14:22	Planned test, to address localization
2015-12-09	14:28	Planned test, to address localization
2015-12-11	16:23	Planned test, to address perception
2015-12-12	16:42	Planned test, to avoid unexpected behavior
2015-12-13	15:55	Planned test, to address controls
2015-12-13	16:07	Planned test, to avoid unexpected behavior
2015-12-13	16:50	Planned test, to address planning
2015-12-15	12:05	Planned test, to address localization
2015-12-15	23:14	Planned test, to address perception
2015-12-15	23:15	Planned test, to address planning
2015-12-15	23:31	Planned test, to address perception
2015-12-15	23:33	Planned test, to address perception
2015-12-15	23:34	Planned test, to avoid unexpected behavior
2015-12-15	23:35	Planned test, to address controls
2015-12-16	12:08	Planned test, to avoid unexpected behavior
2015-12-16	14:20	Planned test, to address planning
2015-12-16	14:21	Planned test, to address unexpected behavior
2015-12-16	21:24	Planned test, to address planning
2015-12-17	17:34	Planned test, to address planning

January 2016 detail		
Total miles driven in autonomous mode	60.83	
Qualifying disengagements	18	
Disengagements detail		
Date	Time	Causal factors
2016-01-04	17:06	Planned test, to avoid unexpected behavior
2016-01-06	11:32	Planned test, to address planning
2016-01-06	11:48	Planned test, to address planning
2016-01-08	13:41	Planned test, to address planning
2016-01-28	7:59	Planned test, to address unexpected behavior
2016-01-28	15:43	Planned test, to address unexpected behavior
2016-01-28	15:44	Planned test, to address unexpected behavior
2016-01-28	15:46	Planned test, to address unexpected behavior

2016-01-28	15:47	Planned test, to address unexpected behavior
2016-01-28	15:49	Planned test, to address unexpected behavior
2016-01-28	15:53	Planned test, to address unexpected behavior
2016-01-28	15:59	Planned test, to address unexpected behavior
2016-01-28	18:49	Planned test, to avoid unexpected behavior
2016-01-28	20:33	Planned test, to avoid unexpected behavior
2016-01-29	0:24	Planned test, to address unexpected behavior
2016-01-29	0:40	Planned test, to address unexpected behavior
2016-01-29	1:24	Planned test, to address unexpected behavior
2016-01-29	1:25	Planned test, to address unexpected behavior

February 2016 detail		
Total miles driven in autonomous mode	98.34	
Qualifying disengagements	7	
Disengagements detail		
Date	Time	Causal factors
2016-02-04	14:30	Planned test, to avoid unexpected behavior
2016-02-04	14:37	Planned test, to avoid unexpected behavior
2016-02-08	15:24	Planned test, to address unexpected behavior
2016-02-08	15:29	Planned test, to address unexpected behavior
2016-02-16	12:04	Planned test, to avoid unexpected behavior
2016-02-18	15:44	Planned test, to avoid unexpected behavior
2016-02-18	15:50	Planned test, to avoid unexpected behavior

March 2016 detail		
Total miles driven in autonomous mode	170.89	
Qualifying disengagements	10	
Disengagements detail		
Date	Time	Causal factors
2016-03-01	15:03	Planned test, to avoid unexpected behavior
2016-03-02	11:28	Planned test, to avoid unexpected behavior
2016-03-07	13:55	Planned test, to avoid unexpected behavior
2016-03-08	15:18	Planned test, to avoid unexpected behavior

2016-03-17	11:02	Planned test, to avoid unexpected behavior
2016-03-21	18:44	Planned test, to avoid unexpected behavior
2016-03-23	11:33	Planned test, to avoid unexpected behavior
2016-03-24	11:54	Planned test, to avoid unexpected behavior
2016-03-31	14:59	Planned test, to avoid unexpected behavior
2016-03-31	15:07	Planned test, to avoid unexpected behavior

April 2016 detail		
Total miles driven in autonomous mode	256.15	
Qualifying disengagements	13	
Disengagements detail		
Date	**Time**	**Causal factors**
2016-04-01	14:21	Planned test, to avoid unexpected behavior
2014-04-07	12:02	Planned test, to avoid unexpected behavior
2014-04-07	17:04	Planned test, to avoid unexpected behavior
2014-04-08	11:05	Planned test, to avoid unexpected behavior
2014-04-08	11:09	Planned test, to avoid unexpected behavior
2014-04-08	11:13	Planned test, to avoid unexpected behavior
2014-04-08	11:36	Planned test, to avoid unexpected behavior
2016-04-12	13:31	Planned test, to avoid unexpected behavior
2016-04-15	15:34	Planned test, to avoid unexpected behavior
2016-04-21	13:45	Planned test, to avoid unexpected behavior
2016-04-22	16:36	Planned test, to avoid unexpected behavior
2016-04-26	17:16	Planned test, to avoid unexpected behavior
2016-04-28	11:44	Planned test, to avoid unexpected behavior

May 2016 detail		
Total miles driven in autonomous mode	200.03	
Qualifying disengagements	14	
Disengagements detail		
Date	**Time**	**Causal factors**
2016-05-04	15:57	Planned test, to avoid unexpected behavior
2016-05-04	15:58	Planned test, to avoid unexpected behavior

2016-05-04	15:59	Planned test, to avoid unexpected behavior
2016-05-11	15:51	Planned test, to avoid unexpected behavior
2016-05-12	14:08	Planned test, to avoid unexpected behavior
2016-05-16	11:55	Planned test, to avoid unexpected behavior
2016-05-16	18:24	Planned test, to avoid unexpected behavior
2016-05-16	18:27	Planned test, to avoid unexpected behavior
2016-05-18	15:31	Planned test, to avoid unexpected behavior
2016-05-20	16:24	Planned test, to avoid unexpected behavior
2016-05-23	17:02	Planned test, to avoid unexpected behavior
2016-05-24	17:08	Planned test, to avoid unexpected behavior
2016-05-24	17:13	Planned test, to avoid unexpected behavior
2016-05-31	12:03	Planned test, to address unexpected behavior

June 2016 detail		
Total miles driven in autonomous mode	390.97	
Qualifying disengagements	15	
Disengagements detail		
Date	**Time**	**Causal factors**
2016-06-01	20:31	Planned test, to avoid unexpected behavior
2016-06-03	12:09	Planned test, to avoid unexpected behavior
2016-06-03	13:56	Planned test, to avoid unexpected behavior
2016-06-06	18:19	Planned test, to avoid unexpected behavior
2016-06-07	14:39	Planned test, to avoid unexpected behavior
2016-06-09	13:10	Planned test, to avoid unexpected behavior
2016-06-09	19:28	Planned test, to avoid unexpected behavior
2016-06-13	15:49	Planned test, to avoid unexpected behavior
2016-06-15	16:13	Planned test, to avoid unexpected behavior
2016-06-17	13:58	Planned test, to avoid unexpected behavior
2016-06-20	10:31	Planned test, to avoid unexpected behavior
2016-06-23	15:01	Planned test, to avoid unexpected behavior
2016-06-23	15:08	Planned test, to avoid unexpected behavior
2016-06-29	17:50	Planned test, to avoid unexpected behavior
2016-06-30	14:51	Planned test, to avoid unexpected behavior

July 2016 detail		
Total miles driven in autonomous mode	570.37	
Qualifying disengagements	19	
Disengagements detail		
Date	Time	Causal factors
2016-07-05	10:44	Planned test, to avoid unexpected behavior
2016-07-05	10:48	Planned test, to avoid unexpected behavior
2016-07-05	10:48	Planned test, to avoid unexpected behavior
2016-07-07	12:18	Planned test, to avoid unexpected behavior
2016-07-07	12:19	Planned test, to avoid unexpected behavior
2016-07-08	15:00	Planned test, to avoid unexpected behavior
2016-07-12	15:16	Planned test, to avoid unexpected behavior
2016-07-13	19:14	Planned test, to avoid unexpected behavior
2016-07-13	21:22	Planned test, to avoid unexpected behavior
2016-07-14	10:43	Planned test, to avoid unexpected behavior
2016-07-15	10:26	Planned test, to avoid unexpected behavior
2016-07-18	13:47	Planned test, to avoid unexpected behavior
2016-07-19	10:40	Planned test, to avoid unexpected behavior
2016-07-19	13:26	Planned test, to address unexpected behavior
2016-07-19	14:08	Planned test, to address unexpected behavior
2016-07-20	11:34	Planned test, to avoid unexpected behavior
2016-07-21	10:44	Planned test, to avoid unexpected behavior
2016-07-21	18:48	Planned test, to avoid unexpected behavior
2016-07-26	15:54	Planned test, to avoid unexpected behavior

August 2016 detail		
Total miles driven in autonomous mode	1672.30	
Qualifying disengagements	20	
Disengagements detail		
Date	Time	Causal factors
2016-08-02	13:51	Planned test, to avoid unexpected behavior
2016-08-02	16:30	Planned test, to address unexpected behavior

2016-08-04	10:12	Planned test, to avoid unexpected behavior
2016-08-05	13:13	Planned test, to avoid unexpected behavior
2016-08-09	18:30	Planned test, to avoid unexpected behavior
2016-08-10	14:46	Planned test, to avoid unexpected behavior
2016-08-11	18:34	Planned test, to avoid unexpected behavior
2016-08-12	10:13	Planned test, to avoid unexpected behavior
2016-08-15	15:56	Planned test, to avoid unexpected behavior
2016-08-16	11:47	Planned test, to avoid unexpected behavior
2016-08-17	17:32	Planned test, to avoid unexpected behavior
2016-08-17	17:56	Planned test, to avoid unexpected behavior
2016-08-18	16:10	Planned test, to avoid unexpected behavior
2016-08-23	17:37	Planned test, to avoid unexpected behavior
2016-08-24	11:07	Planned test, to avoid unexpected behavior
2016-08-24	15:00	Planned test, to avoid unexpected behavior
2016-08-29	16:22	Planned test, to avoid unexpected behavior
2016-08-29	18:00	Planned test, to avoid unexpected behavior
2016-08-31	13:36	Planned test, to avoid unexpected behavior
2016-08-31	17:47	Planned test, to avoid unexpected behavior

September 2016 detail		
Total miles driven in autonomous mode	2278.52	
Qualifying disengagements	18	
Disengagements detail		
Date	Time	Causal factors
2016-09-02	21:10	Planned test, to avoid unexpected behavior
2016-09-02	10:49	Planned test, to avoid unexpected behavior
2016-09-02	14:08	Planned test, to avoid unexpected behavior
2016-09-02	14:10	Planned test, to avoid unexpected behavior
2016-09-07	17:07	Planned test, to avoid unexpected behavior
2016-09-07	17:23	Planned test, to avoid unexpected behavior
2016-09-08	17:02	Planned test, to avoid unexpected behavior
2016-09-09	11:02	Planned test, to avoid unexpected behavior
2016-09-09	11:41	Planned test, to avoid unexpected behavior

2016-09-13	18:00	Planned test, to avoid unexpected behavior
2016-09-14	11:46	Planned test, to avoid unexpected behavior
2016-09-19	16:37	Planned test, to avoid unexpected behavior
2016-09-19	16:28	Planned test, to avoid unexpected behavior
2016-09-22	16:49	Planned test, to avoid unexpected behavior
2016-09-26	18:45	Planned test, to avoid unexpected behavior
2016-09-27	13:45	Planned test, to avoid unexpected behavior
2016-09-28	20:24	Planned test, to avoid unexpected behavior
2016-09-29	11:33	Planned test, to avoid unexpected behavior

October 2016 detail		
Total miles driven in autonomous mode	1747.06	
Qualifying disengagements	9	
Disengagements detail		
Date	Time	Causal factors
2016-10-04	17:19	Planned test, to avoid unexpected behavior
2016-10-06	14:30	Planned test, to avoid unexpected behavior
2016-10-06	15:09	Planned test, to avoid unexpected behavior
2016-10-07	20:26	Planned test, to avoid unexpected behavior
2016-10-17	18:38	Planned test, to avoid unexpected behavior
2016-10-18	10:51	Planned test, to avoid unexpected behavior
2016-10-27	14:21	Planned test, to avoid unexpected behavior
2016-10-31	8:31	Planned test, to avoid unexpected behavior
2016-10-31	21:30	Planned test, to avoid unexpected behavior

November 2016 detail		
Total miles driven in autonomous mode	2284.35	
Qualifying disengagements	6	
Disengagements detail		
Date	Time	Causal factors
2016-11-01	14:39	Planned test, to address unexpected behavior
2016-11-13	12:46	Planned test, to avoid unexpected behavior
2016-11-14	10:51	Planned test, to address unexpected behavior

2016-11-14	10:52	Planned test, to address unexpected behavior
2016-11-28	18:20	Planned test, to avoid unexpected behavior
2016-11-29	11:19	Planned test, to avoid unexpected behavior