U.S. Department of Transportation

National Highway Traffic Safety Administration

ODI RESUME

OFFICE OF DEFECTS INVESTIGATION

NHTSA

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Investigation: RQ 22-001
Date Opened: 04/10/2022
Investigator: Joseph Oxenham **Reviewer:** Bruce York-B
Approver: Stephen Ridella
Subject: Recall 22E-016

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Pony.ai
Products: 2021 Pony.ai ADS Software
Population: 3 (Estimated)

Problem Description: Pony.ai initiated Recall 22E-016 on March 3, 2022. NHTSA is opening this recall query to evaluate the scope of the affected population and the remedy described by Pony.ai in its defect report.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	0	TBD	TBD
Crashes/Fires:	0	1	1
Injury Incidents:	0	TBD	TBD
Number of Injuries:	0	TBD	TBD
Fatality Incidents:	0	TBD	TBD
Number of Fatalities:	0	TBD	TBD

ACTION / SUMMARY INFORMATION

Action: A Recall Query (RQ) has been opened.

Summary:

On March 3, 2022, Pony.ai filed a Part 573 Defect Report notifying NHTSA that it had identified a defect in three (3) units of the Automated Driving System (ADS) it manufacturers and initiating Recall 22E-016. This defect identified by Pony.ai caused the ADS to shut down on a vehicle that was being operated by Pony.ai in a driverless autonomous mode and resulted in a single vehicle crash on October 28, 2021.

In its report, Pony.ai states that the defect consisted of a geolocation diagnostic coding error in the ADS software. Pony.ai further states that, by reviewing software release records, it identified a total of three ADS units that included the coding error. Pony.ai states that it revised the relevant ADS code to correct the coding error during the evening following the crash and installed the updated software the following day, on October 29, 2021.

This RQ is being opened to evaluate the scope of the affected population and the remedy described by Pony.ai in its defect report.