

Bot Auto First Responder Interaction Plan





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Executive Summary

Bot Auto is pioneering the future of freight transportation through Level 4 autonomous trucking operations across Texas and the American Southwest. Our mission is to move freight in the most efficient way possible, enhance the safety standards of commercial trucking, and prioritize the highest standard of public safety..

We operate our own fleet of autonomous trucks and offer Transportation as a Service (TaaS) to our freight customers. Our fleet is made up of Class 8 truck-tractor commercial motor vehicles (CMV) that have been retrofitted with a sensor suite of RADAR, lidar, and cameras, and other hardware and software to enable the truck to operate without a human driver.

Why This Guide Matters

First responder interaction with autonomous trucks represents a new frontier in emergency response. While our trucks are fundamentally standard commercial vehicles, their autonomous operation introduces specific protocols that emergency personnel need to understand, including:

- Automatic detection and response to emergency vehicles
- Autonomous system status indicators
- Specific procedures for traffic stops and emergencies
- 24/7 dispatch support

Using This Guide

This document focuses specifically on autonomous system interactions. For all standard truck-related procedures, including firefighting and extrication, please follow existing commercial vehicle protocols, as our vehicles are no different in those scenarios. The guide is organized to help responders quickly locate relevant information during an incident that is unique to an autonomous truck.



Description of our Operational Design Domain (ODD)

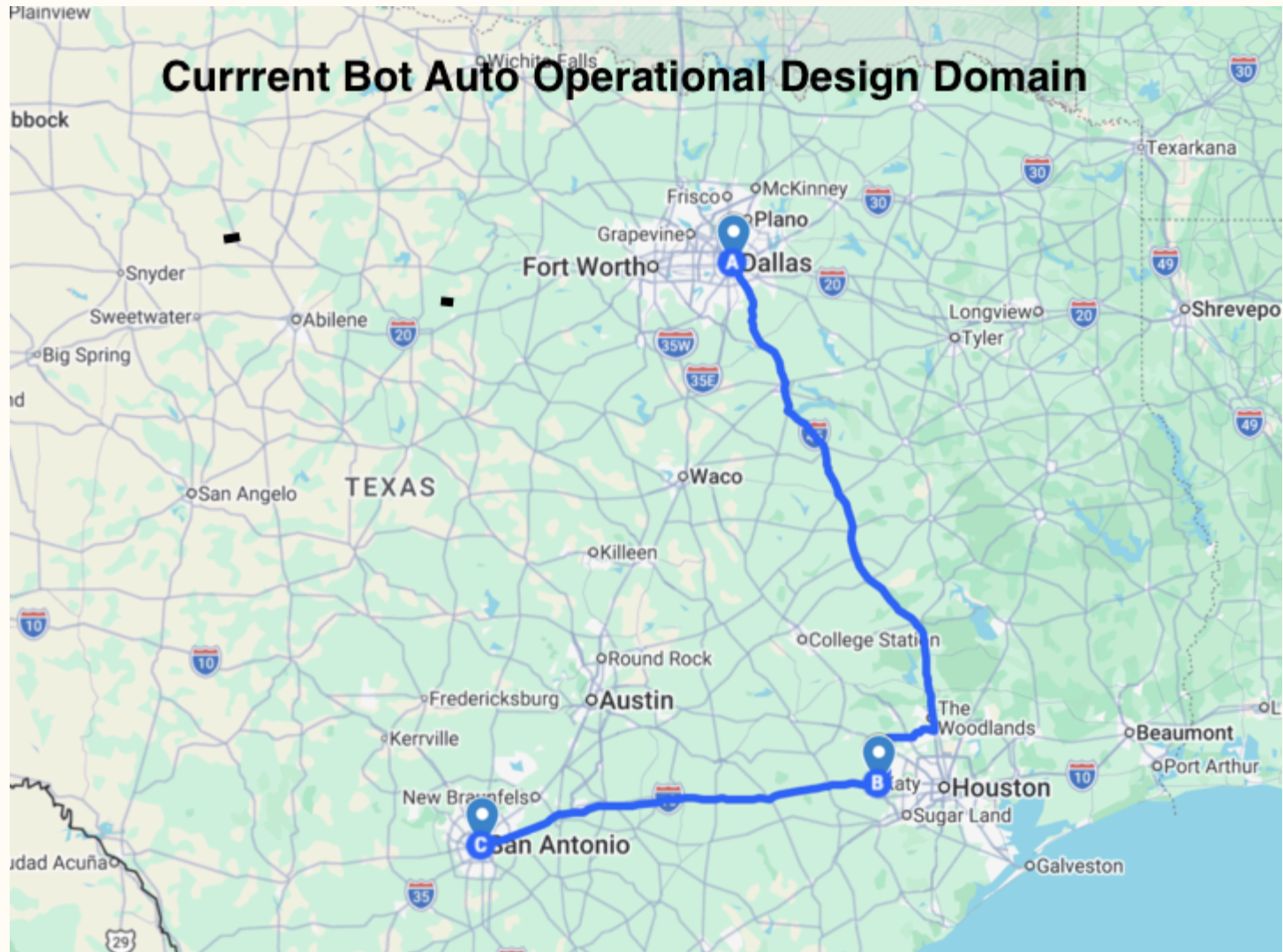
Bot Auto trucks are intended to operate in specific locations and conditions, known as the Operational Design Domain. Within this set geography, Bot Auto trucks operate within specific environmental scenarios, including ideal weather conditions. If a vehicle is introduced to surroundings outside of its ODD, it may need to enter a Mitigated Risk Condition (MRC) until the matter is resolved. An MRC entails the vehicle making the decision to safely pull to a safe location, turn itself off, and end its journey. MRCs are designed to not impact other road users.

Current ODD

- Bot Auto trucks currently operate in Texas, New Mexico and Arizona..
- Our main regular routes are interstates and highways.
- Our routes include limited surface streets arriving at and departing from large transportation facilities.

Operating Conditions

- Bot Auto trucks need to be prepared for the vast majority of environmental factors that can occur while on the road, including weather such as light rain, snow, and fog. However, extreme weather and other adverse conditions may result in the vehicle finding a safe place to enter into an MRC without impacting other road users.
- Once an MRC has been initiated and the vehicle has safely come to a stop, the vehicles' route has ended and **it will not** restart.





Important Notice for First Responders

- Bot Auto autonomous trucks are standard Class 8 truck-tractors, and all standard commercial vehicle response protocols apply.
- There are no special size or weight differences compared to other standard Class 8 CMVs.
- Autonomous features introduce additional considerations detailed in this guide.
- When in doubt, contact Bot Auto dispatch directly for guidance.



Figure 1: Bot Auto Truck with sensor array

Identifying a Bot Autonomous Truck

A Bot Auto truck will be easily identified as autonomy-capable by the presence of the distinctive sensor array mounted on the vehicle (**Figure 1**). These sensors include 8 LIDAR sensors, 15 high definition cameras, and multiple RADAR sensors.

Each truck will be conspicuously marked on each side with the company name and USDOT number (**Figure 2**).



Figure 2: USDOT number on truck's side



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Determining Autonomous or Manual Mode

When approaching a Bot Auto truck, first responders can determine if the truck is in autonomous or manual mode by observing the blue LED light located on the sensor pod just below the factory-installed rearview mirrors. If the light **is illuminated (Figure 3)**, the truck is in autonomous mode. If the blue light **is not illuminated (Figure 4)**, the truck has entered a Mitigated Risk Condition (MRC) and autonomy has been deactivated. There is no risk of the vehicle reentering autonomous mode.



Figure 3: Blue LED light illuminated (left)



Figure 4: Blue LED light not illuminated (right)



Placing the Truck into Manual Mode

Disengage Methods (fully autonomous mode)

The truck should have already disengaged itself after a successful MRC event. Check the autonomous status LED to see whether it's in manual mode. In the event that cab access is needed, **contact Bot Auto dispatch for access**. Once inside, follow the steps below to disengage manually.



Figure 5: Truck dashboard and controls



1. Engage the parking brake (pull the red and yellow buttons out)



Figure 6: Air brake control panel

2. Place gear to neutral position



Figure 7: Truck gear selector stalk on N (neutral) position

3. Contact Bot Auto 24-hour emergency line for assistance with disengagement



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Disengage Methods (safety driver mode): if a safety driver is present in the vehicle, they can disengage the autonomy in the following ways.

Methods	How-to	Figure/Description
Cruise Control Cancel button	Press the <u>Cruise Control Cancel</u> button once	 <i>Figure 8: Cruise Control Cancel button</i>
LED touch button	Press the <u>Engage/Disengage button</u> once	 <i>Figure 9: LED touch button</i>
Big RED button	Press the big red button firmly to disengage (If the driver needs to re-engage, pull up the red button and wait until the LED touch button turns green)	 <i>Figure 10: Big red button</i>
Steering	Take over the steering to disengage	A quick and light steer is good enough
Brake	Hit the brake pedal to disengage	A light press is good enough



Additionally, the parking brake for the truck and trailer may be set by pulling out the two buttons (**Figure 6**) located to the right of the steering wheel.

Turning the Vehicle Off

A Bot Auto truck can be turned off in the same manner as any production model truck tractor. Simply turn off the ignition key to the OFF position (see **Figure 11**, the key should be in the middle position). Prior to powering down the vehicle, it is requested that first responders contact the Bot Auto 24 hour emergency responder number.



Figure 11: Turn key to OFF position

Location of On Board Documents

Registration, insurance, bills of lading, and other necessary documents are located in the document holder (**Figure 12**) on the righthand side of the truck behind the cab. Copies of all documents will also be kept in a folder in the cab of the truck. If access to the cab is needed, contact Bot Auto dispatch for assistance.





Emergency Vehicle Detection and Response

The Bot Auto truck sensors will recognize emergency vehicles by detecting flashing emergency lights and/or sirens. Upon recognizing an emergency vehicle the Bot Auto truck will follow all traffic laws regarding yielding to an emergency vehicle and if necessary will find a safe location to pull over and stop.

Once a Bot Auto Truck has stopped, first responders should contact the Bot Auto 24 hour emergency responder number: **1-888-236-8268 ext. 9.**

Enhanced Response Protocol

1. Initial Response
 - a. Bot Auto trucks automatically detect emergency vehicles, including police, fire and EMS
 - b. System initiates a safe pullover procedure
 - c. Truck enters Mitigated Risk Condition (MRC)
 - d. Blue LED indicator shows system status
2. First Responder Actions
 - a. Verify blue LED indicator is **off** (indicating MRC complete)
 - b. Contact the Bot Auto 24 hour emergency responder number: 1-888-236-8268 ext. 9
 - c. Provide location and incident type
 - d. Follow dispatch guidance for document access
3. Dispatch Support
 - a. Remote system status verification
 - b. Document access authorization
 - c. Technical guidance as needed
 - d. Recovery coordination (if required)



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Crash Response

The Bot Auto truck will detect that it was involved in a crash. If involved in a crash, the vehicle will come to a stop at a safe location and notify dispatch immediately.

Bot Auto dispatch will call 911 or notify authorities as needed and dispatch necessary support teams.



Figure 13: Truck with emergency vehicles

Crash Protocol

1. Automatic Response



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- a. System detects collision
 - b. Enters MRC
 - c. Notifies dispatch
 - d. Preserves incident data
- 2. First Responder Integration
 - a. Traditional CMV protocols apply
 - b. Contact Bot Auto 24 hour emergency responder number for autonomous system status (if required)
 - c. Coordinate vehicle recovery through Bot Auto dispatch
 - d. Request data if needed

Towing and Recovery

The Bot Auto truck can be towed or recovered in the same manner as any similar truck tractor, with the exception of ensuring the autonomous driving features are deactivated as described above. Refer to the truck's owner's manual or industry best practices to determine towing methods or recovery points.

Accessing Vehicle Data

Due to the robust nature of the Bot Auto system, a large amount of data relative to a crash or other incident may be available. Bot Auto will share this data through proper legal channels upon request. Requests for data should be emailed to legal@bot.auto. No attempt should be made to recover data by persons that are not Bot Auto employees, as this could result in data being compromised, corrupted, or lost.



Cab Mounted Emergency Beacons

In 2025 the Federal Motor Carrier Safety Administration (FMCSA) issued a waiver allowing autonomous commercial motor vehicles (ACMV) to use cab-mounted warning beacons in lieu of placing traditional warning triangles in the event an ACMV becomes disabled on the highway. Full waiver language can be found at [FMCSA](#). Bot Auto has developed cab-mounted warning beacons that comply with all FMCSA requirements. These beacons are mounted on the front and rear face of the RADAR mounting just above the side view mirrors.





Accessing the First Responder Guide - QR Code

Bot Auto trucks will be clearly marked with a QR code which will grant immediate access to the most current First Responder Interaction Guide.



Bot Auto Non-Emergency Contact Information



24 Hour Emergency Responder #: 1-888-236-8268 ext. 9



General Inquires by Phone: 1-888-236-8268

Inquires by Email: usdot-txop@bot.auto

Data Requests: legal@bot.auto

Media Inquiries: press@bot.auto



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**Thank You
To All First
Responders**

