

ADS Changes in ARTS for County Awareness

The purpose of this message is to make county vehicle personnel aware of new fields being introduced to common ARTS transaction screens. Updates in Iowa Administrative Code, section 761.400.21(6), provide for the department to be able to identify the automated driving systems (ADS) characteristics, or intended operational design domain, for each ADS-equipped vehicle.

“Automated Driving System” means the hardware and software collectively capable of performing the entire dynamic driving task on a sustained basis, regardless of whether the system is limited to a specific operational design domain, if any. (IA Code 321.514.1)

At this time, we are not aware of any ADS vehicles in Iowa that would be designated as such in ARTS. More information will be sent out when Iowa has more of these types of vehicles. The September code push for ARTS updates is on Wednesday, September 22, 2021. Starting on the following Thursday morning you will notice a new field in Title & Registration, Title Snapshot, Vehicle Inquiry, Registration Inquiry, SI Add Release, Replace Title, Registration, Vehicle Maintenance and Recreate Title. See figures 1 and 2 for pictures of new entry fields.

The *ADS Capable* field, which has a “Yes/No” drop-down, will be used to identify if the vehicle has ADS capabilities in any capacity. “ADS Capable” is synonymous with “Driverless Capable”, but for spacing and consistency in programming, ADS Capable is used throughout ARTS.

The image shows two adjacent drop-down menu fields. The first field is labeled "ADS Capable" and has "Yes" selected. The second field is labeled "ADS Level" and has "No Automation" selected.

Figure 1: New entry fields

The screenshot shows the "Vehicle Maintenance - 11784041" window. The "Identification" tab is active. The "VIN" field contains "5YJ3E1EC9LF713637". The "Year" is "2020" and the "Make" is "Tesla". The "Model" is "Model 3" and the "Style" is "SD". The "Color" is "Purple". The "ADS Capable" field is set to "Yes" and the "ADS Level" field is set to "No Automation". These two fields are highlighted with a red box.

Figure 2: Example from Vehicle Maintenance