

AVL



HD RDE COMPLIANCE

A visualization app for in-service conformity analysis



MORE APPS TO FOLLOW

THE CHALLENGE

For Heavy Duty vehicles, the engine is usually tested on a testbed to pass the World Harmonized driving cycles (WHSC, WHTC). However, Euro VI regulations now require in-service conformity testing that involves field measurements using Portable Emissions Measurement Systems (PEMS). The testing is conducted over a mix of urban, rural and motorway conditions with additional criteria to meet.

The percentage of invalid tests due to violation of route requirements is constantly growing. This results in the driver having to complete several iterations of the test route in order to finally achieve the necessary test criteria.

THE AVL SOLUTION

The Heavy Duty RDE app provides the driver with an online evaluation of regulation criteria while performing in-service conformity testing.

The application provides the driver with a graphical display of the current status of driver criteria, such as driven distance (urban, rural or motorway), test duration, dynamic behaviour and average speed.

For better visualization of this real-time information a scalable display configuration offers full screen (the entire screen is filled with criteria requirements) or split screen (part of the screen is reserved for user features functionality).

THE ADDED VALUE

- Clear interface provides the driver with online graphical information
- Prevents violation of route requirements and saves time
- Right first time approach
- Smartphone connectivity enables remote control



FEATURES AND FUNCTIONS



PLUG AND PLAY

- Easily connect to the application software
- Select the necessary channels
- Press start
- Check on-line criteria
- Validate in-service conformity



CONNECTIVITY

- Use your smartphone as a display device
- Storage of GPS information



USABILITY

- Allows rapid interaction
- Touch screen control
- No training needed
- Mobile application for ease of use



SAFETY

- No need to check the laptop while driving
- Stay safe while doing your in-vehicle calibration
- Secure connection

FOR FURTHER INFORMATION PLEASE CONTACT:

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