

AVL



AVL SMART MOBILE SOLUTIONS

RDE route identification



MORE APPS TO FOLLOW

An interactive app for RDE route generation

THE CHALLENGE

The Real Driving Emissions (RDE) legislation is adding the road as a new environment for emission testing and certification. RDE legislation for Passenger Cars in Europe (China, Japan and India soon to follow) requires OEMs to carry out type-approval tests on the road with Portable Emissions Measurement Systems (PEMS).

An RDE compliant route must be identified to ensure all the test criteria and boundary conditions are acceptable. Typically, RDE test routes are characterised by a test duration of between 90 - 120 minutes, comprising clearly defined ratios of urban (up to 60kph), rural (60 - 90kph) and motorway (over 90kph) driving. This task induces a lot of effort in terms of time spent on the road and the number of tests conducted in order to ensure a compliant RDE test has been achieved.

How to quickly identify and generate RDE compliant routes for testing and validation?

THE AVL SOLUTION

Our simple approach to fulfill these requirements is to employ digital methods for better planning, more efficient realisation and better validation. This is exactly where the RDE route identification app supports your development process.

The app provides to the calibration engineer a selection of compliant RDE routes. The user simply defines an RDE trip by selecting a start and end point on the map. Once compliant RDE routes are calculated and identified, the trip profile can simply then be extracted to **Google Maps™** for driver guidance and assistance.

THE ADDED VALUE

- More efficient and automated approach to generate RDE compliant routes
- Generate RDE compliant routes world-wide for evaluation and validation
- A right first time approach

QUICK START GUIDE

1



OPEN THE RDE ROUTE IDENTIFICATION

2



SELECT AN AREA AND DEFINE START & END POINT

3



THE APP WILL PROVIDE A SELECTION OF COMPLIANT RDE ROUTES

4



EXTRACT THE ROUTE TO GOOGLE MAPS™ FOR GUIDANCE



GET ONLINE EVALUATION DURING DRIVING WITH THE COMPLEMENTARY RDE DYNAMICS APP



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