

Field Operational Test

In order to validate new systems equipped in next-generation vehicles, the real situations to which they will be subjected must be understood. For this reason, it is crucial to carry out **Field Operational Tests (FOT)**. This type of test may **involve a large number of vehicles and an extensive acquisition area to validate the functionality and adaptation of the different systems**, thus ensuring the randomness of the test conditions.



IDIADA's team is specialized in **advising on, preparing and carrying out turnkey FOTs all over the world, adapting to the traffic conditions, climate and environments of each region**. We also have an extensive database and our own methodology for the localization of critical situations in the definition of effective routes, so that the results obtained are as useful as possible for the validation of such systems.

Once the data is acquired, it can be sent directly to the client through both physical and online (cloud) formats, ensuring IDIADA's high standards of quality and confidentiality. The data can also be processed and analysed in our own offices in order to get a final result.

IDIADA can perform Field Operational Tests following the procedures required by the client, but our specialists also provide support in test definition and targeting. Additionally, we offer complementary tests for the different functionalities, carried out by our specialists for each system.

In these tests, our experts in complementary areas ensure a smooth execution of the project regarding legal, logistical and IT aspects, thus ensuring compliance with all legal requirements of the various countries involved.

FOT tests can be used for different study purposes for the following areas:

Applus⁺

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- ADAS
- ePowertrain and compatibility with different chargers
- Infotainment and online services
- Emergency or breakdown call
- Vehicle-to-vehicle connectivity studies
- Navigation
- Vehicle adaptation to local drivers
- Functionality evaluation
- Human behaviour analysis with new on-board systems