

ADP Development and implementation of a function for deriving requirements and capabilities for driverless vehicles from HD maps

Entwicklung und Implementierung einer Funktion zur Ableitung von Anforderungen und Fähigkeiten für fahrerlose Fahrzeuge aus HD-Karten

Task description

Driverless vehicles are being developed in the [UNICARagil](#) project. In order to operate such a vehicle safely, a safety approval must be obtained for each route to be driven. Based on the routes, it is possible to derive requirements for the capabilities to drive the route sections. This derivation is based on an HD map enriched with information necessary for this approach. It is now necessary to implement this derivation on the software level.

Task details

- Familiarization with route planning based on the Lanelet2 map framework
- Identification of necessary software process steps for deriving route-based requirements and capabilities
- Development of an implementation concept based on the identified process steps
- Implementation, test and evaluation of the developed concept



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ANMERKUNG: Alle Projekte und Arbeiten bei FZD können wahlweise in Englisch oder Deutsch durchgeführt werden.