

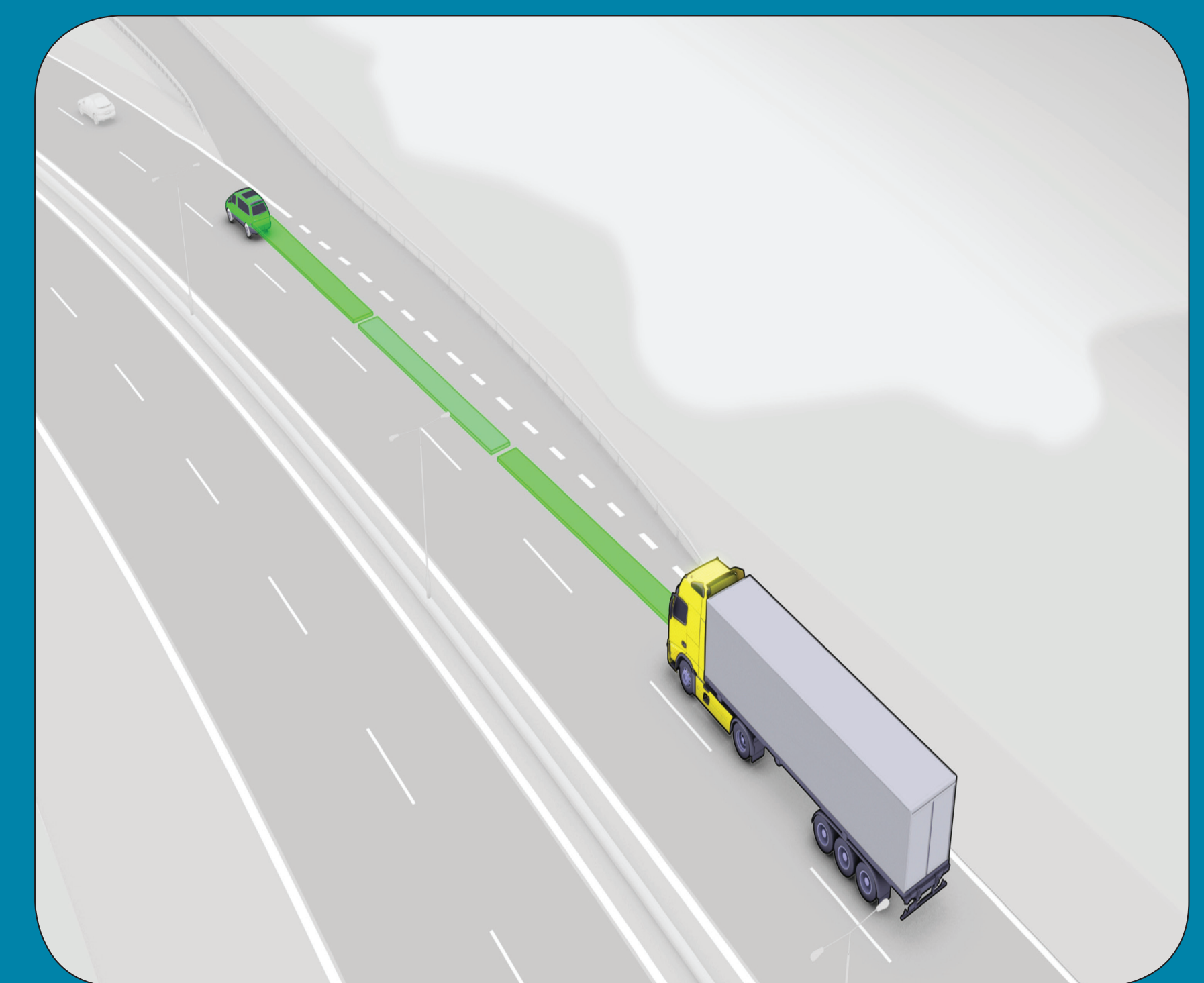
Use Cases

Use cases describe the situation for which a specific safety system is designed. In the euroFOT project, a clear definition of system-related use cases provides the foundation for data collection and analysis.

Use cases are identified by translating the specifications of each system into the traffic environment. Hence, a use case describes the traffic situation a system is designed for. It also defines possible system states and possible limiting factors.

For the Adaptive Cruise Control (ACC) system, the most common use case is defined as follows:

The main use case for ACC assumes that the vehicle under test is driving preferably in non-urban areas, with ACC activated, in almost any situation. ACC status can be off, on, on but in stand-by or on but overridden by the driver. The ACC system only works above a minimum speed. ACC is not meant to be used for overtaking, in high traffic density or in adverse weather conditions.



ACC Adaptive Cruise Control

