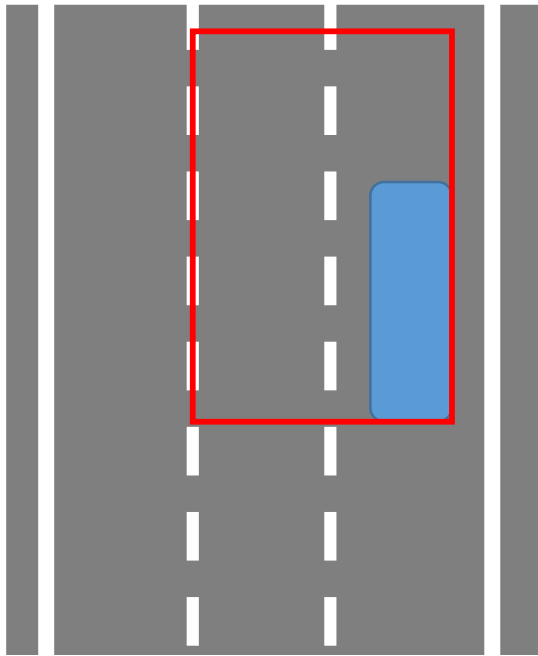
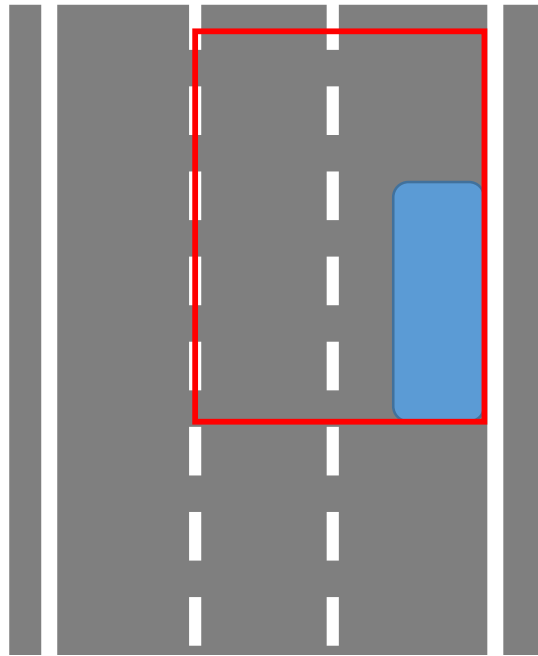


ALKS Lateral Detection Range –

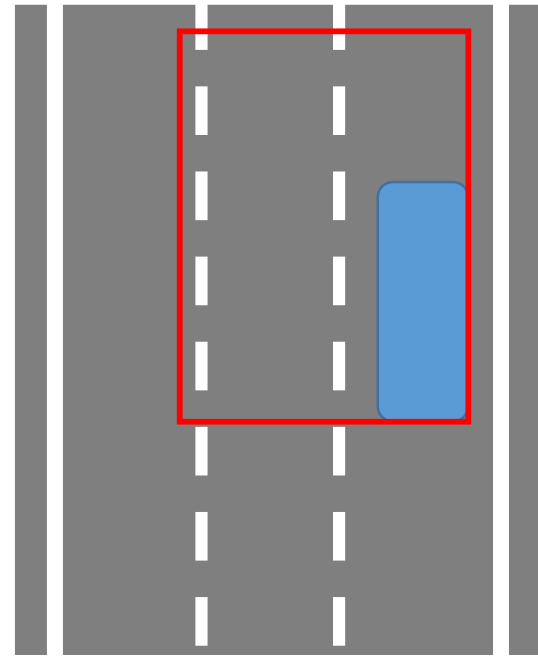
why existing provisions already ensure sufficient sensing ranges to assess the traffic dynamics in the second to next lane



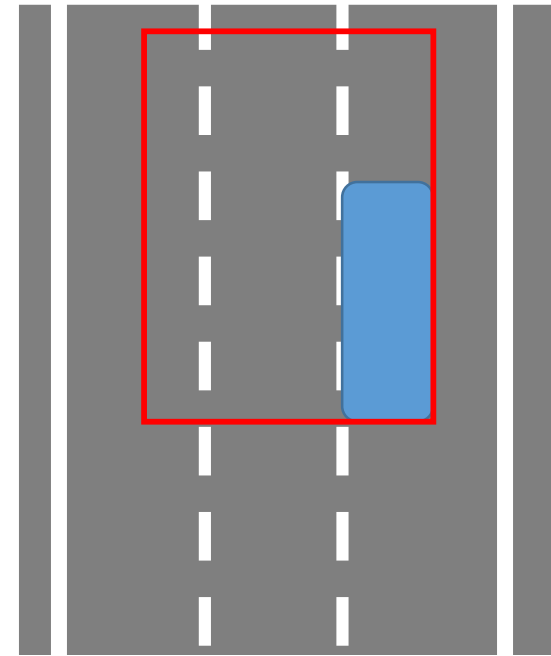
Par. 7.1.3.
„Cover the full width of the lane adjacent...“



Par. 7.1.3.
„Cover the full width of the lane adjacent...“
applies even when not driving in the center of the lane



So even with current provisions ALKS will „look“ into the second to next lane already.



By the time a LCM starts, the ALKS will be able to assess the traffic dynamics also in the second to next lane.

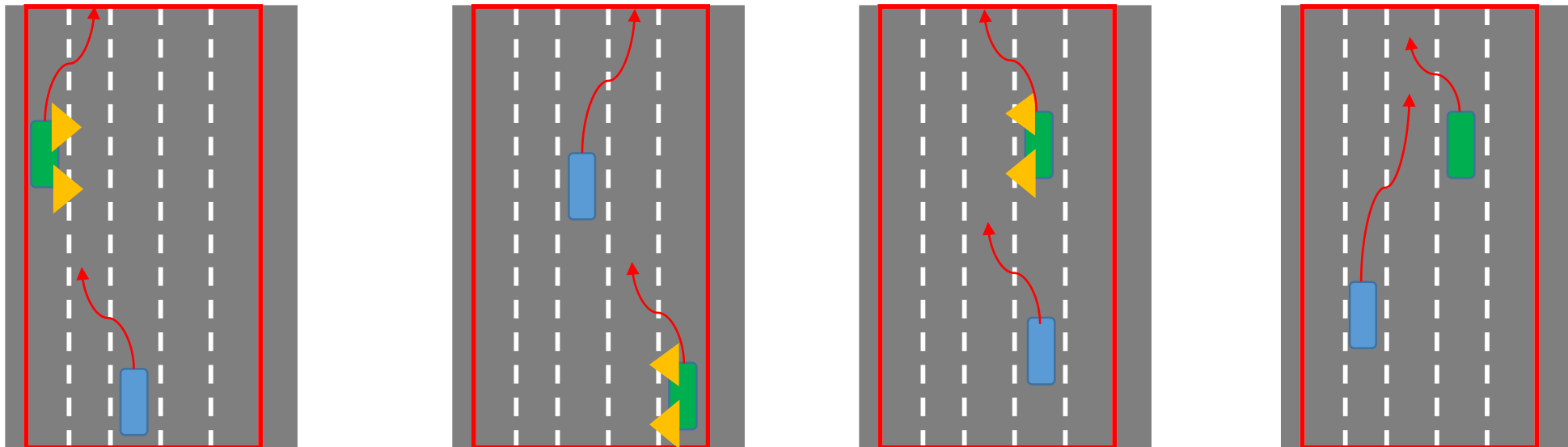
The currently discussed amendments:

“[(d) There is no other vehicle which is activating direction indicator to come to the target lane (except following vehicles at and near merging and departing lanes).]”

7.1./7.1.1.1./7.1.1.2./7.1.1.3.

“[(c) Across the full width of its own traffic lane, the full width of the traffic lanes immediately to its left and to its right, the full width of the lane next to the target lane, up to the limit of the forward side and rearward detection range, if fitted to perform a LCP.]”

would prohibit LC, even when fully uncritical (e.g. a much faster vehicle changing into the target lane 150m ahead, or a much slower vehicle following behind), while a safety risk where a LC is performed unindicated is not adressed:



While existing provisions already establish what is needed to ensure safety, we could emphasize this scenario by introducing the provision in blue:

- 5.2.6.1. A LCP shall not cause an unreasonable risk to safety of the vehicle occupants and other road users. LCPs shall only be performed in an uncritical way as described in paragraphs 5.2.6.1.1. and 5.2.6.1.2.**
- 5.2.6.1.1. The intervention shall not cause a collision with another vehicle or road user in the predicted path of the vehicle during a lane change.**
- 5.2.6.7.2. Assessment of the target lane for a regular lane change
A regular LCP shall only be initiated if the ALKS vehicle is able to fulfil the requirements of par. 5.2.4. and 5.2.5. also with respect to the target lane.**
- x.x.x. A LCM shall only be initiated when the relevant area of the target lane is expected to remain unoccupied throughout the manoeuvre (e.g. there is no other vehicle in the second to next lane expected to change lanes on a conflicting trajectory).**