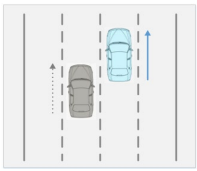
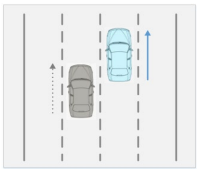
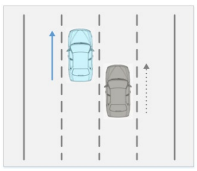
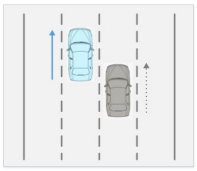
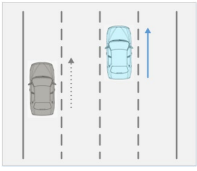
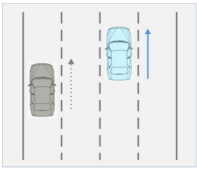
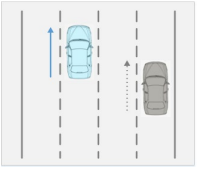
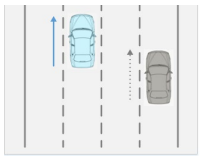
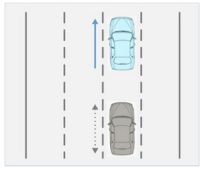
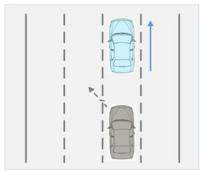
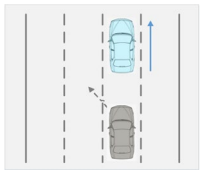
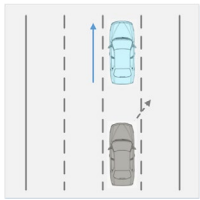
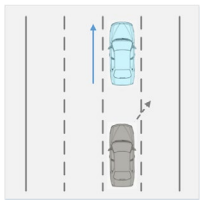
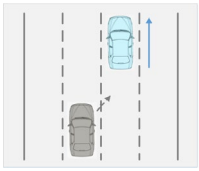
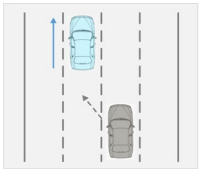
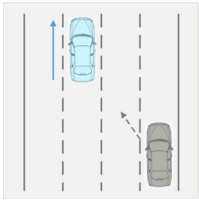
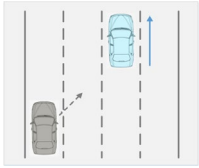
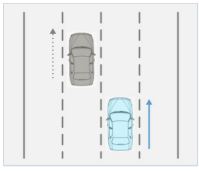
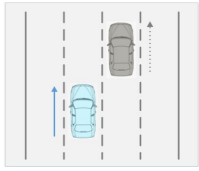
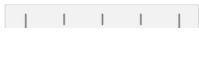
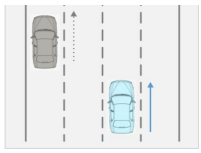
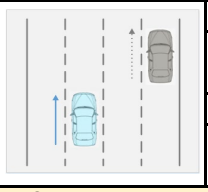
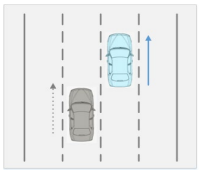
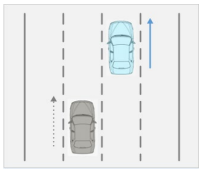
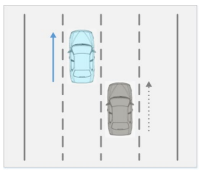
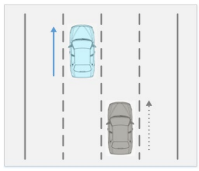
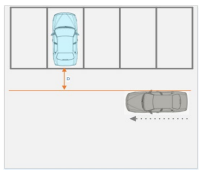
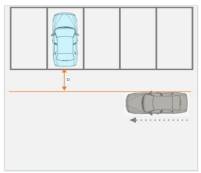
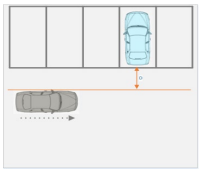
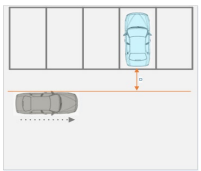
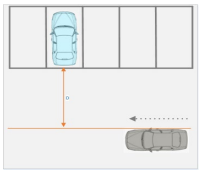
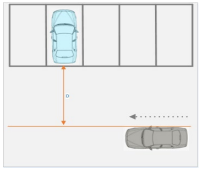
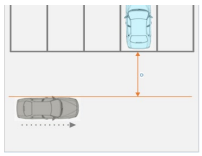
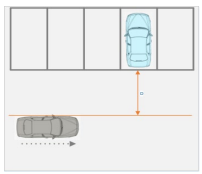
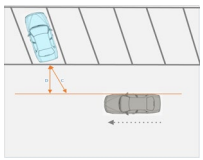
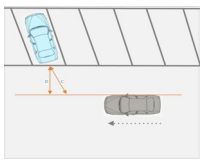
1. LCA Tests	
1.1 Overtaking on neighbouring lane.	
1.1.1 Overtaking on neighbouring lane, ego 50km/h, target 120km/h, overtaking left.	
	LCA_50_L1_120_overtaking
	Ego vehicle crica 50 km/h. Target vehicle distance to the ego vehicle more than 100m.
	The target vehicle drives with circa 70 km/h relative and overtakes the ego vehicle on the neighbouring lane.
	Warning is given from a distance of 68m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
1.1.2 Overtaking on neighbouring lane, ego 100km/h, target 120km/h, overtaking left.	
	LCA_100_L1_120_overtaking
	Ego vehicle crica 100 km/h. Target vehicle distance to the ego vehicle more than 80m.
	The target vehicle drives with circa 20 km/h relative and overtakes the ego vehicle on the neighbouring lane.
	Warning is given from a distance of 19m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
1.1.3 Overtaking on neighbouring lane, ego 50km/h, target 120km/h, overtaking right.	
	LCA_50_R1_120_overtaking
	Ego vehicle crica 50 km/h. Target vehicle distance to the ego vehicle more than 100m.
	The target vehicle drives with circa 70 km/h relative and overtakes the ego vehicle on the neighbouring lane.
	Warning is given from a distance of 68m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
1.1.4 Overtaking on neighbouring lane, ego 100km/h, target 120km/h, overtaking right.	
	LCA_100_R1_120_overtaking
	Ego vehicle crica 100 km/h. Target vehicle distance to the ego vehicle more than 80m.
	The target vehicle drives with circa 20 km/h relative and overtakes the ego vehicle on the neighbouring lane.
	Warning is given from a distance of 19m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
1.2 Overtaking on the next lane but one.	
1.2.1 Overtaking on the next lane but one, ego 50km/h, target 120km/h, overtaking left.	
	LCA_50_L2_120_overtaking
	Ego vehicle circa 50 km/h. Target vehicle distance to the ego vehicle more than 80m.
	The target vehicle drives with circa 70 km/h relative and overtakes the ego vehicle in straight line on next lane but one.
	No warning given.
1.2.2 Overtaking on the next lane but one, ego 100km/h, target 120km/h, overtaking left.	
	LCA_100_L2_120_overtaking
	Ego vehicle circa 100 km/h. Target vehicle distance to the ego vehicle more than 80m.
	The target vehicle drives with circa 20 km/h relative and overtakes the ego vehicle in straight line on next lane but one.
	No warning given.
1.2.3 Overtaking on the next lane but one, ego 50km/h, target 120km/h, overtaking right.	
	LCA_50_R2_120_overtaking
	Ego vehicle circa 50 km/h. Target vehicle distance to the ego vehicle more than 80m.
	The target vehicle drives with circa 70 km/h relative and overtakes the ego vehicle in straight line on next lane but one.
	No warning given.
1.2.4 Overtaking on the next lane but one, ego 100km/h, target 100km/h, overtaking right.	
	LCA_100_R2_120_overtaking

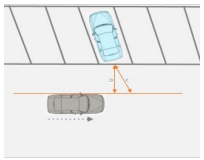
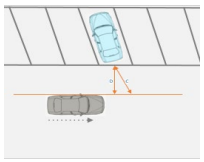
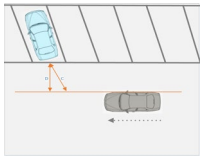
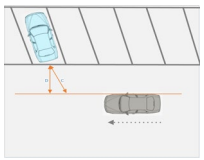
	Ego vehicle circa 100 km/h. Target vehicle distance to the ego vehicle more than 80m.
	The target vehicle drives with circa 20 km/h relative and overtakes the ego vehicle in straight line on next lane but one.
	No warning given.
1.3 Driving back and forth (alternating) in ego lane.	
1.3.1 Driving back and forth (alternating) in ego lane slowly, ego 100km/h, target 10km/h relative.	
	LCA_100_ego_10Diff
	Ego vehicle circa 100 km/h.
	The target vehicle is driving back and forth (alternating) behind ego vehicle: slowly approaching and driving backwards (v Diff = 10 km/h). The target must fall back up to a distance > 70m and approach to lowest possible distance.
	No warning given.
1.4 Overtaking from trail-traffic.	
1.4.1 Overtaking from trail-traffic, ego 80km/h, target 100km/h, overtaking left distance 20m.	
	LCA_80_100_20m_overtaking_L1
	Ego vehicle circa 80 km/h. Target vehicle distance to the ego vehicle more than 75m.
	Target vehicle drives circa 20 km/h relative, approaches the LCA vehicle up to circa 20 m. The target vehicle changes to neighbouring left lane. The target vehicle overtakes the ego vehicle.
	Warning has to be given if the target vehicle has crossed the lane completely with all 4 tires but not earlier than in a distance of 19m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
1.4.2 Overtaking from trail-traffic, ego 80km/h, target 120km/h, overtaking left distance 40m.	
	LCA_80_120_40m_overtaking_L1
	Ego vehicle circa 80 km/h. Target vehicle distance to the ego vehicle more than 75m.
	Target vehicle drives circa 40 km/h relative, approaches the ego vehicle up to circa 40m. The target vehicle changes to neighbouring left lane. The target vehicle overtakes the ego vehicle.
	Warning has to be given if the target vehicle has crossed the lane completely with all 4 tires but not earlier than in a distance of 38m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
1.4.3 Overtaking from trail-traffic, ego 80km/h, target 100km/h, overtaking right distance 20m.	
	LCA_80_100_20m_overtaking_R1
	Ego vehicle circa 80 km/h. Target vehicle distance to the ego vehicle more than 75m.
	Target vehicle drives circa 20 km/h relative, approaches the LCA vehicle up to circa 20 m. The target vehicle changes to neighbouring right lane. The target vehicle overtakes the ego vehicle.
	Warning has to be given if the target vehicle has crossed the lane completely with all 4 tires but not earlier than in a distance of 19m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
1.4.4 Overtaking from trail-traffic, ego 80km/h, target 120km/h, overtaking right distance 40m.	
	LCA_80_120_40m_overtaking_R1
	Ego vehicle circa 80 km/h. Target vehicle distance to the ego vehicle more than 75m.
	Target vehicle drives circa 40 km/h relative, approaches the LCA vehicle up to circa 40 m. The target vehicle changes to neighbouring right lane. The target vehicle overtakes the ego vehicle.
	Warning has to be given if the target vehicle has crossed the lane completely with all 4 tires but not earlier than in a distance of 38m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
1.5 Move into the ego lane.	

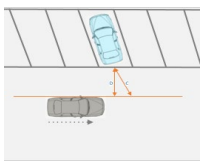
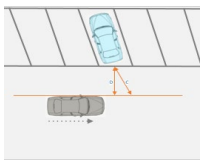
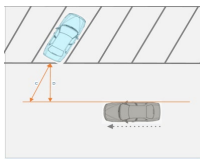
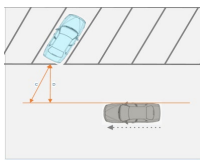
1.5.1 Move into the ego lane from the left neighbouring lane, ego 50km/h, target 90km/h, distance 40m.	
	LCA_50_L1_90_40m_LvB
	Ego vehicle circa 50 km/h. Target vehicle on the neighbouring lane, distance to the ego vehicle greater than 75m.
	The target vehicle approaches the ego vehicle on the neighbouring lane with 40km/h relative and changes at 40m to the ego lane.
	Warning is given from a distance of 39m (TTC 3.5s). Warning has to be given till target vehicle has crossed the lane completely with all 4 tires.
1.5.2 Move into the ego lane from the right neighbouring lane, ego 50km/h, target 90km/h distance 40m.	
	LCA_50_R1_90_40m_RvB
	Ego vehicle circa 50 km/h. Target vehicle on the neighbouring lane, distance to the ego vehicle greater than 75m.
	The target vehicle approaches the ego vehicle on the neighbouring lane with 40km/h relative and changes at ca. 40m to the ego lane.
	Warning is given from a distance of 39m (TTC 3.5s). Warning has to be given till target vehicle has crossed the lane completely with all 4 tires.
1.6 Move into the neighbouring lane.	
1.6.1 Move in from the next lane but one to the neighbouring lane right, ego 100km/h, target 120km/h, move	
	LCA_100_R2_120_30m_R2vR1
	Ego vehicle circa 100 km/h. Target vehicle distance to the ego vehicle more than 75m.
	Target vehicle drives ca. 20km/h relative and approaches the ego vehicle up to circa 30m. The target vehicle changes to the neighbouring lane. The target vehicle overtakes the ego vehicle.
	Warning has to be given if the target vehicle has crossed the lane completely with all 4 tires but not earlier than in a distance of 19m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
1.6.2 Move in from the next lane but one to the neighbouring lane left, ego 100km/h, target 120km/h, move	
	LCA_100_L2_120_30m_L2vL1
	Ego vehicle circa 100 km/h. Target vehicle distance to the ego vehicle more than 75m.
	Target vehicle drives ca. 20km/h relative and approaches the LCA vehicle up to circa 30 m. The target vehicle changes to the neighbouring lane. The target vehicle overtakes the ego vehicle.
	Warning has to be given if the target vehicle has crossed the lane completely with all 4 tires but not earlier than in a distance of 19m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
1.7 Falling back target on neighbouring lane.	
1.7.1 Falling back target on left neighbouring lane, ego 75km/h, target 70km/h.	
	LCA_75_L1_70_fallingback
	Ego vehicle circa 75 km/h. Target vehicle circa 70 km/h, drives in front of ego vehicle.
	The target vehicle is overtaken by the ego vehicle with circa 5 km/h relative.
	Warning has to be given while the target vehicle is present in the BSD area.
1.7.2 Falling back target on right neighbouring lane, ego 75km/h, target 70km/h.	
	LCA_75_R1_70_fallingback
	Ego vehicle circa 75 km/h. Target vehicle circa 70 km/h, drives in front of ego vehicle.
	The target vehicle is overtaken by the LCA with circa 5 km/h relative.
	Warning has to be given while the target vehicle is present in the BSD area.
1.8 Falling back target on the next lane but one.	
1.8.1 Falling back target on the next lane but one, Left, ego 75km/h, target 70km/h.	
	LCA_75_L2_70_fallingback

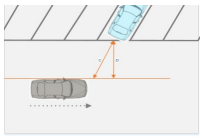
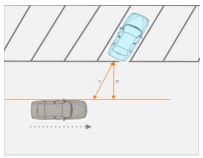
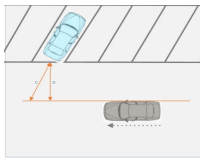
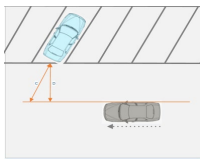
	Ego vehicle circa 75 km/h. Target vehicle circa 70 km/h, drives in front of ego vehicle. The target vehicle is overtaken by the ego vehicle with circa 5 km/h relative. No warning given.
1.8.2 Falling back target on the next lane but one, Right, ego 75km/h, target 70km/h.	
	LCA_75_R2_70_fallingback Ego vehicle circa 75 km/h. Target vehicle circa 70 km/h, drives in front of ego vehicle. The target vehicle is overtaken by the ego vehicle with circa 10 km/h relative. No warning given.
2. BSD Tests.	
2.1 Ego drive, target left.	
2.1.1 Ego 80km/h, target left, at the level rear-bumper.	
	BSD_80_L1_80_rear_bumper Ego vehicle circa 80 km/h. Target vehicle flows with the traffic at the level rear-bumper. Duration: 3 minutes. Warning has to be given while target vehicle is present in the BSD area.
2.1.2 Ego 80km/h, target left, at the level behind the ego vehicle.	
	BSD_80_L1_80_3m Ego vehicle circa 80 km/h. Target vehicle flows with the traffic at the level behind the vehicle. Duration: 3 minutes. Warning has to be given while target vehicle is present in the BSD area.
2.2 Ego drive, target right.	
2.2.1 Ego 80km/h, target right, at the level rear-bumper.	
	BSD_80_R1_80_rear_bumper Ego vehicle circa 80 km/h. Target vehicle flows with the traffic at the level rear-bumper. Duration: 3 minutes. Warning has to be given while target vehicle is present in the BSD area.
1.2.2 Ego 80km/h, target left, at the level behind the ego vehicle.	
	BSD_80_R1_80_3m Ego vehicle circa 80 km/h. Target vehicle flows with the traffic at the level behind the vehicle. Duration: 3 minutes. Warning has to be given while target vehicle is present in the BSD area.
3.RCTA Tests.	
3.1 Lateral, Angle 90°, free environmental conditions	
3.1.1 Parking space pass by from right to left, angle 90°, distance 2.0m, target vehicle 20km/h	
	RTCA_A90_D2m_20_R2L The ego vehicle is standing (0 km/h) in the parking space at 90° with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 2.0m (rear bumper of ego vehicle to right side of target - longitudinal), coming from the right, with 20 km/h.
	Warning distance lateral 13 meters (2.5s TTC) The warning has to be released, if the target vehicle has passed the ego vehicle.
3.1.2 Parking space pass by from right to left, angle 90°, distance 2.0m, target vehicle 35km/h	
	RTCA_A90_D2m_35_R2L

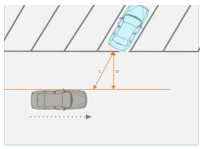
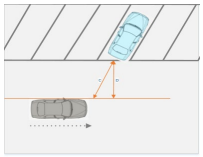
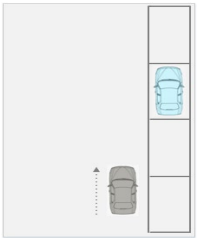
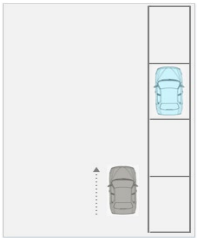
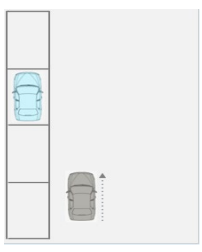
	The ego vehicle is standing (0 km/h) in the parking space at 90° with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 2.0m (rear bumper of ego vehicle to right side of target - longitudinal), coming from the right, with 35 km/h.
	Warning distance lateral 24 meters (2.5s TTC) The warning has to be released, if the target vehicle has passed the ego vehicle.
3.1.3 Parking space pass by from left to right, angle 90°, distance 2.0m, target vehicle 20km/h	
	RTCA_A90_D2m_20_L2R
	The ego vehicle is standing (0 km/h) in the parking space at 90° withthe vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 2.0m (rear bumper of ego vehicle to left side of target - longitudinal), coming from the left, with 20 km/h.
	Warning distance lateral 13 meters (2.5s TTC). The warning has to be released, if the target vehicle has passed the ego vehicle.
3.1.4 Parking space pass by from left to right, angle 90°, distance 2.0m, target vehicle 35km/h	
	RTCA_A90_D2m_35_L2R
	The ego vehicle is standing (0 km/h) in the parking space at 90° with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 2.0m (rear bumper of ego vehicle to left side of target - longitudinal), coming from the left, with 35 km/h.
	Warning distance lateral 24 meters (2.5s TTC) The warning has to be released, if the target vehicle has passed the ego vehicle.
3.1.5 Parking space pass by from right to left, angle 90°, distance 8.0m, target vehicle 20km/h	
	RTCA_A90_D8m_20_R2L
	The ego vehicle is standing (0 km/h) in the parking space at 90° with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 8.0m (rear bumper of ego vehicle to right side of target - longitudinal), coming from the right, with 20 km/h.
	No Warning
3.1.6 Parking space pass by from right to left, angle 90°, distance 8.0m, target vehicle 35km/h	
	RTCA_A90_D8m_35_R2L
	The ego vehicle is standing (0 km/h) in the parking space at 90° with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 8.0m (rear bumper of ego vehicle to right side of target - longitudinal), coming from the right, with 35 km/h.
	No Warning
3.1.7 Parking space pass by from left to right, angle 90°, distance 8.0m, target vehicle 20km/h (13mph)	
	RTCA_A90_D8m_20_L2R

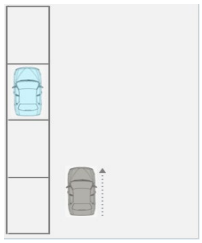
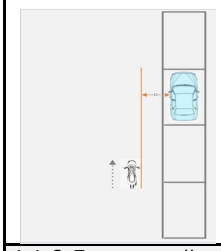
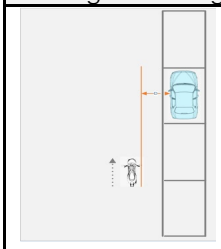
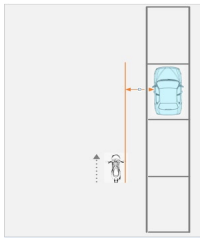
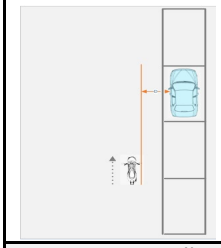
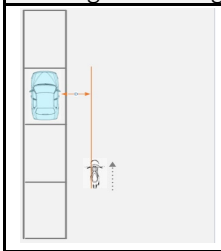
	The ego vehicle is standing (0 km/h) in the parking space at 90° with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right(neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 8.0m (rear bumper of ego vehicle to left side of target - longitudinal), coming from the left, with 20 km/h (13 mph).
	No Warning
3.1.8 Parking space pass by from left to right, angle 90°, distance 8.0m, target vehicle 35km/h	
	RTCA_A90_D8m_35_L2R
	The ego vehicle is standing (0 km/h) in the parking space at 90° with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 8.0m (rear bumper of ego vehicle to left side of target - longitudinal), coming from the left, with 35 km/h.
	No Warning
3.2 Lateral, Angle 60°, free environmental conditions	
3.2.1 Parking space pass by from right to left, angle 60° from direction of travel, distance 2m, target vehicle	
	RTCA_A60_D2m_20_R2L
	The ego vehicle is standing (0 km/h) in the parking space at 60° from direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60°, coming from the right, with 20 km/h (13 mph). The distance is 2.0m between the ego vehicle's rear bumper center and the right front corner of the target vehicle, when the right front corner of the target vehicle reaches the longitudinal axis.
	Warning distance lateral 13 meters (2.5s TTC). The warning has to be released, if the target vehicle has passed the ego vehicle.
3.2.2 Parking space pass by from right to left, angle 60° from direction of travel, distance 2m, target vehicle	
	RTCA_A60_D2m_35_R2L
	The ego vehicle is standing (0 km/h) in the parking space at 60° from direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60°, coming from the right, with 35 km/h. The distance is 2.0m between the ego vehicle's rear bumper center and the right front corner of the target vehicle, when the right front corner of the target vehicle reaches the longitudinal axis.
	Warning distance lateral 24 meters (2.5s TTC) The warning has to be released, if the target vehicle has passed the ego vehicle.
3.2.3 Parking space pass by from left to right, angle 60° against direction of travel, distance V2m, target vehicle	
	RTCA_A60_D2m_20_L2R

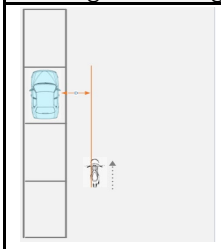
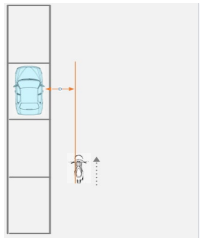
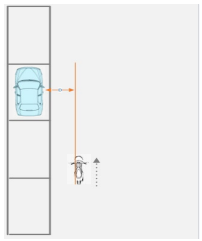
	The ego vehicle is standing (0 km/h) in the parking space at 60° against direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60° against direction of travel, coming from the left, with 20 km/h. The distance is 2.0m between the ego vehicle's rear bumper center and the left front corner of the target vehicle, when the left front corner of the target vehicle reaches the longitudinal axis.
	Warning is observed
3.2.4 Parking space pass by from left to right, angle 60° against direction of travel, distance 2m, target vehicle	
	RTCA_A60_D2m_35_L2R
	The ego vehicle is standing (0 km/h) in the parking space at 60° against direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60° against direction of travel, coming from the left, with 35 km/h. The distance is 2.0m between the ego vehicle's rear bumper center and the left front corner of the target vehicle, when the left front corner of the target vehicle reaches the longitudinal axis.
	Warning is observed
3.2.5 Parking space pass by from right to left, angle 60° from direction of travel, distance 8m, target vehicle	
	RTCA_A60_D8m_20_R2L
	The ego vehicle is standing (0 km/h) in the parking space at 60° from direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60°, coming from the right, with 20 km/h. The distance is 8.0m between the ego vehicle's rear bumper center and the right front corner of the target vehicle, when the right front corner of the target vehicle reaches the longitudinal axis.
	No warning
3.2.6 Parking space pass by from right to left, angle 60° from direction of travel, distance 8m, target vehicle	
	RTCA_A60_D8m_35_R2L
	The ego vehicle is standing (0 km/h) in the parking space at 60° from direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60°, coming from the right, with 35 km/h (19 mph). The distance is 8.0m between the ego vehicle's rear bumper center and the right front corner of the target vehicle, when the right front corner of the target vehicle reaches the longitudinal axis.
	No warning
3.2.7 Parking space pass by from left to right, angle 60° against direction of travel, distance V8m, target vehicle	
	RTCA_A60_D8m_20_L2R

	The ego vehicle is standing (0 km/h) in the parking space at 60° against direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60° against direction of travel, coming from the left, with 20 km/h. The distance is 8.0m between the ego vehicle's rear bumper center and the left front corner of the target vehicle, when the left front corner of the target vehicle reaches the longitudinal axis.
	No warning
3.2.8 Parking space pass by from left to right, angle 60° against direction of travel, distance 8m, target vehicle	
	RTCA_A60_D8m_35_L2R
	The ego vehicle is standing (0 km/h) in the parking space at 60° against direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60° against direction of travel, coming from the left, with 35 km/h. The distance is 8.0m between the ego vehicle's rear bumper center and the left front corner of the target vehicle, when the left front corner of the target vehicle reaches the longitudinal axis.
	No warning
3.3 Lateral, Angle -60°, free environmental conditions	
3.3.1 Parking space pass by from right to left, angle 60° against direction of travel, distance 2m, target vehicle	
	RTCA_NA60_D2m_20_R2L
	The ego vehicle is standing (0 km/h) in the parking space at 60° against direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60° against direction of travel, coming from the right, with 20 km/h (13 mph). The distance is 2.0m between the ego vehicle's rear bumper center and the right front corner of the target vehicle, when the right front corner of the target vehicle reaches the longitudinal axis.
	Warning is observed
3.3.2 Parking space pass by from right to left, angle 60° against direction of travel, distance 2m, target vehicle	
	RTCA_NA60_D2m_35_R2L
	The ego vehicle is standing (0 km/h) in the parking space at 60° against direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60° against direction of travel, coming from the right, with 35 km/h. The distance is 2.0m between the ego vehicle's rear bumper center and the right front corner of the target vehicle, when the right front corner of the target vehicle reaches the longitudinal axis.
	Warning is observed
3.3.3 Parking space pass by from left to right, angle 60° from direction of travel, distance 2m, target vehicle	
	RTCA_NA60_D2m_20_L2R

	The ego vehicle is standing (0 km/h) in the parking space at 60° from direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60°, coming from the left, with 20 km/h. The distance is 2.0m between the ego vehicle's rear bumper center and the left front corner of the target vehicle, when the left front corner of the target vehicle reaches the longitudinal axis.
	Warning distance lateral 13 meters (2.5s TTC)
3.3.4 Parking space pass by from left to right, angle 60° from direction of travel, distance 2m, target vehicle	
	RTCA_NA60_D2m_35_L2R
	The ego vehicle is standing (0 km/h) in the parking space at 60° from direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60°, coming from the left, with 35 km/h . The distance is 2.0m between the ego vehicle's rear bumper center and the left front corner of the target vehicle, when the left front corner of the target vehicle reaches the longitudinal axis.
	Warning distance lateral 24 meters (2.5s TTC) The warning has to be released, if the target vehicle has passed the ego vehicle.
3.3.5 Parking space pass by from right to left, angle 60° against direction of travel, distance 8m, target vehicle	
	RTCA_NA60_D8m_20_R2L
	The ego vehicle is standing (0 km/h) in the parking space at 60° against direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60° against direction of travel, coming from the right, with 20 km/h (13 mph). The distance is 8.0m between the ego vehicle's rear bumper center and the right front corner of the target vehicle, when the right front corner of the target vehicle reaches the longitudinal axis.
	No Warning
3.3.6 Parking space pass by from right to left, angle 60° against direction of travel, distance 8m, target vehicle	
	RTCA_NA60_D8m_35_R2L
	The ego vehicle is standing (0 km/h) in the parking space at 60° against direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60° against direction of travel, coming from the right, with 35 km/h (19 mph). The distance is 8.0m between the ego vehicle's rear bumper center and the right front corner of the target vehicle, when the right front corner of the target vehicle reaches the longitudinal axis.
	No Warning
3.3.7 Parking space pass by from left to right, angle 60° from direction of travel, distance 8m, target vehicle	
	RTCA_NA60_D8m_20_L2R

	The ego vehicle is standing (0 km/h) in the parking space at 60° from direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60°, coming from the left, with 20 km/h. The distance is 8.0m between the ego vehicle's rear bumper center and the left front corner of the target vehicle, when the left front corner of the target vehicle reaches the longitudinal axis.
	No Warning
3.3.8 Parking space pass by from left to right, angle 60° from direction of travel, distance 8m, target vehicle	
	RTCA_NA60_D8m_35_L2R
	The ego vehicle is standing (0 km/h) in the parking space at 60° from direction of travel with the vehicle rear end to the lane. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a straight line with an angle of 60°, coming from the left, with 35 km/h. The distance is 8.0m between the ego vehicle's rear bumper center and the left front corner of the target vehicle, when the left front corner of the target vehicle reaches the longitudinal axis.
	No Warning
3.4 Long, Angle 90°, free environmental conditions.	
3.4.1 Parking space pass by from rear to front on the left side, angle 0° parallel to direction of travel, distance	
	RTCA_A0_D1.5m_20_L
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 1.5m lateral between vehicles, coming from rear to front on left side, with 20 km/h.
	No warning
3.4.2 Parking space pass by from rear to front on the left side, angle 0° parallel to direction of travel, distance	
	RTCA_A0_D1.5m_35_L
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 1.5m lateral between vehicles, coming from rear to front on left side, with 35 km/h.
	No warning
3.4.3 Parking space pass by from rear to front on the right side, angle 0° parallel to direction of travel, distance	
	RTCA_A0_D1.5m_20_R
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 1.5m lateral between vehicles, coming from rear to front on the right side, with 20 km/h.

	No warning
3.4.4 Parking space pass by from rear to front on the right side, angle 0° parallel to direction of travel, distance	
	RTCA_A0_D1.5m_35_R
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range. The steering wheel of the ego vehicle is not turned to left or right (neutral/zero position). Otherwise the warning algorithm is adapted which can lead to different warning behavior.
	The target vehicle passes the ego vehicle in a distance of 1.5m lateral between vehicles, coming from rear to front on the right side,with 35 km/h.
	No warning
4. DOW Tests	
4.1 Ego standing, angle 0°, passby.	
4.1.1 Ego standing, target 10km/h, distance 1m, overtaking left.	
	DOW_0_10_1m_overtaking_left
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range.
	The target vehicle passes the ego vehicle in a distance of 1m lateral between vehicles, coming from rear to front on left side, with 10 km/h.
	Warning is given from a distance of 10 m (TTC 3.5s).
4.1.2 Ego standing, target 25km/h, distance 1m, overtaking left.	
	DOW_0_25_1m_overtaking_left
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range.
	The target vehicle passes the ego vehicle in a distance of 1m lateral between vehicles, coming from rear to front on left side, with 25 km/h.
	Warning is given from a distance of 24 m (TTC 3.5s).
4.1.3 Ego standing, target 10km/h, distance 3m, overtaking left	
	DOW_0_10_3m_overtaking_left
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range.
	The target vehicle passes the ego vehicle in a distance of 3m lateral between vehicles, coming from rear to front on left side, with 10 km/h.
	Warning is given from a distance of 10 m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
4.1.4 Ego standing, target 25km/h, distance 3m, overtaking left.	
	DOW_0_25_3m_overtaking_left
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range.
	The target vehicle passes the ego vehicle in a distance of 3m lateral between vehicles, coming from rear to front on left side, with 25km/h.
	Warning is given from a distance of 24m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
4.1.5 Ego standing, target 10km/h, distance 1m, overtaking right.	
	DOW_0_10_1m_overtaking_left
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range.
	The target vehicle passes the ego vehicle in a distance of 1m lateral between vehicles, coming from rear to front on right side, with 10 km/h.
	Warning is given from a distance of 10 m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.

4.1.6 Ego standing, target 25km/h, distance 1m, overtaking right.	
	DOW_0_25_1m_overtaking_left
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range.
	The target vehicle passes the ego vehicle in a distance of 1m lateral between vehicles, coming from rear to front on right side, with 25 km/h.
	Warning is given from a distance of 24 m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
4.1.7 Ego standing, target 10km/h, distance 3m, overtaking right.	
	DOW_0_10_3m_overtaking_left
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range.
	The target vehicle passes the ego vehicle in a distance of 3m lateral between vehicles, coming from rear to front on right side, with 10 km/h.
	Warning is given from a distance of 10 m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.
4.1.8 Ego standing, target 25km/h, distance 3m, overtaking right	
	DOW_0_25_3m_overtaking_left
	The ego vehicle is standing (0 km/h) in the parking space parallel to the direction of travel. The target vehicle is outside the detection range.
	The target vehicle passes the ego vehicle in a distance of 3m lateral between vehicles, coming from rear to front on right side, with 25 km/h.
	Warning is given from a distance of 24 m (TTC 3.5s). The warning has to be released, if the target vehicle has passed the ego vehicle.