

Vehicle Hazard	Operational Mode	Operational Situation	Exposure	Control	Severity	ASIL	Functional Safety Goal
Not keeping proper distance to neighbouring vehicle(s) while driving autonomously inside of platoon	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall keep proper distance to neighbouring vehicles when they are following the vehicle in front of them autonomously
Not keeping proper distance to neighbouring vehicle(s) while driving autonomously inside of platoon	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall keep proper distance to neighbouring vehicles when they transition from follower to leader
Keeping too much (>2.0s) distance to neighbouring vehicles while driving autonomously inside of platoon	Following vehicle in platoon	Driving inside of platoon	E4	C3	S0	QM	Vehicles in a platoon shall keep a small enough distance to neighbouring vehicles when they are following the vehicle in front of them autonomously
Keeping too much (>2.0s) distance to neighbouring vehicles while driving autonomously inside of platoon	Switch from follower to leader	Driving inside of platoon	E2	C3	S0	QM	Vehicles in a platoon shall keep a small enough distance to neighbouring vehicles when they transition from follower to leader
Not keeping enough (<0.3s) distance to neighbouring vehicles while driving autonomously inside of platoon	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall keep a large enough distance to neighbouring vehicles when they are following the vehicle in front of them autonomously
Not keeping enough (<0.3s) distance to neighbouring vehicles while driving autonomously inside of platoon	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall keep a large enough distance to neighbouring vehicles when they transition from follower to leader
Not keeping proper distance to some of all neighbouring vehicles while driving autonomously inside of platoon	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall keep proper distance to all neighbouring vehicles when they are following the vehicle in front of them autonomously
Not keeping proper distance to some of all neighbouring vehicles while driving autonomously inside of platoon	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall keep proper distance to all neighbouring vehicles when they transition from follower to leader
Not driving autonomously inside of platoon	Following vehicle in platoon	Driving inside of platoon	E4	C2	S3	C	Vehicles in a platoon shall actually drive autonomously when they are following the vehicle in front of them
Not driving autonomously inside of platoon	Switch from follower to leader	Driving inside of platoon	E2	C1	S3	QM	Vehicles in a platoon shall actually drive autonomously when they transition from follower to leader
Not driving manually while leading	Leader of platoon	Driving inside of platoon	E3	C3	S3	C	Vehicles in a platoon shall actually be controlled by the driver when they are leading the platoon
Not driving manually while leading	Switch from leader to follower	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall actually be controlled by the driver when they transitioning from leader to follower
Leading while another car is also leading	Leader of platoon	Driving inside of platoon	E3	C1	S3	A	Vehicles in a platoon shall not be leading the platoon while another vehicle is also leading the platoon
Leading while another car is also leading	Switch from leader to follower	Driving inside of platoon	E2	C1	S0	QM	Vehicles in a platoon shall not be transitioning from leader to follower the platoon while another vehicle is also leading the platoon
Leading while not at front of platoon	Leader of platoon	Driving inside of platoon	E3	C2	S3	B	Vehicles in a platoon shall be at the front of the platoon when they are leader of the platoon

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Leading while not at front of platoon	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall start at the front of the platoon when they transition from leader to follower
Driving manually behind the platoon	Leader of platoon	Driving inside of platoon	E3	C1	S0	QM	Vehicles in a platoon shall be at the front of the platoon when they are leader of the platoon
Driving manually behind the platoon	Switch from leader to follower	Driving inside of platoon	E2	C1	S0	QM	Vehicles in a platoon shall start at the front of the platoon when they transition from leader to follower
Actually not becoming the leader of the platoon when this is desired	Following vehicle in platoon	Driving inside of platoon	E1	C3	S3	A	Vehicles in a platoon shall actually become leader of the platoon when this is desired, while they are currently following the vehicle in front of them autonomously
Actually not becoming the leader of the platoon when this is desired	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall actually become leader of the platoon when this is desired, while they are switching from follower to leader
Becoming both leader and participant of platoon	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall not take on the role of leader while at the same time they are following the vehicle in front of them autonomously
Becoming both leader and participant of platoon	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall not take on both the role of leader and the role of follower when they are switching from follower to leader
Losing leader status when not desired	Following vehicle in platoon	Driving inside of platoon	E1	C3	S3	A	Vehicles in a platoon shall not lose their leader status when this is not desired
Losing leader status when not desired	Leader of platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall not lose their leader status when this is not desired
Losing leader status when not desired	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall not lose their leader status when they transition from follower to leader
Continue being leader of platoon (not desired)	Leader of platoon	Driving inside of platoon	E3	C2	S0	QM	Vehicles in a platoon shall be able to stop being a leader when this is desired
Continue being leader of platoon (not desired)	Leader of platoon	Driving outside of platoon	E1	C1	S0	QM	Vehicles outside of a platoon shall be able to stop being a leader when this is desired
Continue being leader of platoon (not desired)	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall be able to stop being a leader when this is desired
Continue being leader of platoon (not desired)	Switch from leader to follower	Driving outside of platoon	E2	C1	S3	QM	Vehicles outside of a platoon shall be able to stop being a leader when this is desired
Only stop being leader, but do not move back	Leader of platoon	Driving inside of platoon	E3	C3	S3	C	Vehicles in a platoon shall move back when they stop being a leader
Only stop being leader, but do not move back	Leader of platoon	Driving outside of platoon	E1	C3	S0	QM	Vehicles outside of a platoon shall move back when they stop being a leader
Only stop being leader, but do not move back	Switch from leader to follower	Driving inside of platoon	E2	C1	S3	QM	Vehicles in a platoon shall move back when they stop being a leader
Only stop being leader, but do not move back	Switch from leader to follower	Driving outside of platoon	E2	C1	S0	QM	Vehicles outside of a platoon shall move back when they stop being a leader

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Become leader of platoon while not desired	Leader of platoon	Driving inside of platoon	E3	C2	S0	QM	Vehicles in a platoon shall not become the leader of the platoon when this is not desired
Become leader of platoon while not desired	Leader of platoon	Driving outside of platoon	E1	C1	S0	QM	Vehicles outside of a platoon shall not become the leader of the platoon when this is not desired
Become leader of platoon while not desired	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall not become the leader of the platoon when this is not desired
Become leader of platoon while not desired	Switch from leader to follower	Driving outside of platoon	E2	C1	S3	QM	Vehicles outside of a platoon shall not become the leader of the platoon when this is not desired
Become leader of platoon while not desired	Following vehicle in platoon	Driving inside of platoon	E4	C2	S3	C	Vehicles in a platoon shall not become the leader of the platoon when this is not desired
Not being able to join platoon while desired	Joining platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles shall be able to join a platoon when desired
Leave platoon instead of joining	Joining platoon	Driving inside of platoon	E2	C1	S3	QM	Vehicles shall not leave a platoon when they are joining the platoon
Not being able to leave platoon	Leaving platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall be able to leave the platoon
Join platoon instead of leaving	Leaving platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall not join the platoon when they are actually leaving the platoon
Not being able to timely react to actions of surrounding vehicles	Leader of platoon	Driving inside of platoon	E3	C1	S3	A	Vehicles in a platoon shall be able to timely react to actions of surrounding vehicles while they are leading
Not being able to timely react to actions of surrounding vehicles	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall be able to timely react to actions of surrounding vehicles while they are following the vehicle in front of them autonomously
Not being able to timely react to actions of surrounding vehicles	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall be able to timely react to actions of surrounding vehicles while they transition from follower to leader
Not being able to timely react to actions of surrounding vehicles	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall be able to timely react to actions of surrounding vehicles while they transition from leader to follower
React too much to actions of surrounding vehicles (false alarm)	Leader of platoon	Driving inside of platoon	E3	C1	S3	A	Vehicles in a platoon shall not overreact to actions of surrounding vehicles while they are leading
React too much to actions of surrounding vehicles (false alarm)	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall not overreact to actions of surrounding vehicles while they are following the vehicle in front of them autonomously
React too much to actions of surrounding vehicles (false alarm)	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall not overreact to actions of surrounding vehicles while they transition from follower to leader
React too much to actions of surrounding vehicles (false alarm)	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall not overreact to actions of surrounding vehicles while they transition from leader to follower
React too late to actions of surrounding vehicles (timing or false positives)	Leader of platoon	Driving inside of platoon	E3	C1	S3	A	Vehicles in a platoon shall not react too late to actions of surrounding vehicles while they are leading

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React too late to actions of surrounding vehicles (timing or false positives)	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall not react too late to actions of surrounding vehicles while they are following the vehicle in front of them autonomously
React too late to actions of surrounding vehicles (timing or false positives)	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall not react too late to actions of surrounding vehicles while they transition from follower to leader
React too late to actions of surrounding vehicles (timing or false positives)	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall not react too late to actions of surrounding vehicles while they transition from leader to follower
Not reacting properly to actions of surrounding vehicles because of incorrect vehicle dynamics assumption	Leader of platoon	Driving inside of platoon	E3	C1	S3	A	Vehicles in a platoon shall react to actions of surrounding vehicles according to their vehicle dynamics while they are leading
Not reacting properly to actions of surrounding vehicles because of incorrect vehicle dynamics assumption	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall react to actions of surrounding vehicles according to their vehicle dynamics while they are following the vehicle in front of them autonomously
Not reacting properly to actions of surrounding vehicles because of incorrect vehicle dynamics assumption	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall react to actions of surrounding vehicles according to their vehicle dynamics while they transition from follower to leader
Not reacting properly to actions of surrounding vehicles because of incorrect vehicle dynamics assumption	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall react to actions of surrounding vehicles according to their vehicle dynamics while they transition from leader to follower
React to actions of vehicles outside of platoon as if they are inside	Leader of platoon	Driving inside of platoon	E3	C1	S3	A	Vehicles in a platoon shall properly react to actions of surrounding vehicles based on their platoon membership and role, while a vehicle is leading
React to actions of vehicles outside of platoon as if they are inside	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall properly react to actions of surrounding vehicles based on their platoon membership and role, while a vehicle is following the vehicle in front of them autonomously
React to actions of vehicles outside of platoon as if they are inside	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall properly react to actions of surrounding vehicles based on their platoon membership and role, while a vehicle transitions from follower to leader
React to actions of vehicles outside of platoon as if they are inside	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall properly react to actions of surrounding vehicles based on their platoon membership and role, while a vehicle transitions from leader to follower
Not following traffic indications, signs and rules	Joining platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow traffic indications, signs and rules while joining a platoon
Not following traffic indications, signs and rules	Leaving platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow traffic indications, signs and rules while leaving a platoon
Not following traffic indications, signs and rules	Leader of platoon	Driving outside of platoon	E1	C1	S3	QM	Vehicles outside of a platoon shall follow traffic indications, signs and rules while being the leader of a platoon

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Not following traffic indications, signs and rules	Following vehicle in platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow traffic indications, signs and rules while they are following the vehicle in front of them autonomously
Not following traffic indications, signs and rules	Switch from follower to leader	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow traffic indications, signs and rules while they transition from follower to leader
Not following traffic indications, signs and rules	Switch from leader to follower	Driving outside of platoon	E2	C1	S3	QM	Vehicles outside of a platoon shall follow traffic indications, signs and rules while they transition from leader to follower
Not following traffic indications, signs and rules	Joining platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow traffic indications, signs and rules while joining a platoon
Not following traffic indications, signs and rules	Leaving platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow traffic indications, signs and rules while leaving a platoon
Not following traffic indications, signs and rules	Leader of platoon	Driving inside of platoon	E3	C1	S3	A	Vehicles in a platoon shall follow traffic indications, signs and rules while being the leader of a platoon
Not following traffic indications, signs and rules	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall follow traffic indications, signs and rules while they are following the vehicle in front of them autonomously
Not following traffic indications, signs and rules	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow traffic indications, signs and rules while they transition from follower to leader
Not following traffic indications, signs and rules	Switch from leader to follower	Driving inside of platoon	E2	C1	S3	QM	Vehicles in a platoon shall follow traffic indications, signs and rules while they transition from leader to follower
Only approximately follow traffic indications, signs and rules	Joining platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall precisely and completely follow traffic indications, signs and rules while joining a platoon
Only approximately follow traffic indications, signs and rules	Leaving platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall precisely and completely follow traffic indications, signs and rules while leaving a platoon
Only approximately follow traffic indications, signs and rules	Leader of platoon	Driving outside of platoon	E1	C1	S3	QM	Vehicles outside of a platoon shall precisely and completely follow traffic indications, signs and rules while being the leader of a platoon
Only approximately follow traffic indications, signs and rules	Following vehicle in platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall precisely and completely follow traffic indications, signs and rules while they are following the vehicle in front of them autonomously
Only approximately follow traffic indications, signs and rules	Switch from follower to leader	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall precisely and completely follow traffic indications, signs and rules while they transition from follower to leader
Only approximately follow traffic indications, signs and rules	Switch from leader to follower	Driving outside of platoon	E2	C1	S3	QM	Vehicles outside of a platoon shall precisely and completely follow traffic indications, signs and rules while they transition from leader to follower
Only approximately follow traffic indications, signs and rules	Joining platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall precisely and completely follow traffic indications, signs and rules while joining a platoon
Only approximately follow traffic indications, signs and rules	Leaving platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall precisely and completely follow traffic indications, signs and rules while leaving a platoon

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Only approximately follow traffic indications, signs and rules	Leader of platoon	Driving inside of platoon	E3	C1	S3	A	Vehicles in a platoon shall precisely and completely follow traffic indications, signs and rules while being the leader of a platoon
Only approximately follow traffic indications, signs and rules	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall precisely and completely follow traffic indications, signs and rules while they are following the vehicle in front of them autonomously
Only approximately follow traffic indications, signs and rules	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall precisely and completely follow traffic indications, signs and rules while they transition from follower to leader
Only approximately follow traffic indications, signs and rules	Switch from leader to follower	Driving inside of platoon	E2	C1	S3	QM	Vehicles in a platoon shall precisely and completely follow traffic indications, signs and rules while they transition from leader to follower
Not following all traffic indications, signs and rules	Joining platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow all traffic indications, signs and rules while joining a platoon
Not following all traffic indications, signs and rules	Leaving platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow all traffic indications, signs and rules while leaving a platoon
Not following all traffic indications, signs and rules	Leader of platoon	Driving outside of platoon	E1	C1	S3	QM	Vehicles outside of a platoon shall follow all traffic indications, signs and rules while being the leader of a platoon
Not following all traffic indications, signs and rules	Following vehicle in platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow all traffic indications, signs and rules while they are following the vehicle in front of them autonomously
Not following all traffic indications, signs and rules	Switch from follower to leader	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow all traffic indications, signs and rules while they transition from follower to leader
Not following all traffic indications, signs and rules	Switch from leader to follower	Driving outside of platoon	E2	C1	S3	QM	Vehicles outside of a platoon shall follow all traffic indications, signs and rules while they transition from leader to follower
Not following all traffic indications, signs and rules	Joining platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow all traffic indications, signs and rules while joining a platoon
Not following all traffic indications, signs and rules	Leaving platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow all traffic indications, signs and rules while leaving a platoon
Not following all traffic indications, signs and rules	Leader of platoon	Driving inside of platoon	E3	C1	S3	A	Vehicles in a platoon shall follow all traffic indications, signs and rules while being the leader of a platoon
Not following all traffic indications, signs and rules	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall follow all traffic indications, signs and rules while they are following the vehicle in front of them autonomously
Not following all traffic indications, signs and rules	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow all traffic indications, signs and rules while they transition from follower to leader
Not following all traffic indications, signs and rules	Switch from leader to follower	Driving inside of platoon	E2	C1	S3	QM	Vehicles in a platoon shall follow all traffic indications, signs and rules while they transition from leader to follower
Following traffic rules from a different region	Joining platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while joining a platoon

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Following traffic rules from a different region	Leaving platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while leaving a platoon
Following traffic rules from a different region	Leader of platoon	Driving outside of platoon	E1	C1	S3	QM	Vehicles outside of a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while being the leader of a platoon
Following traffic rules from a different region	Following vehicle in platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while they are following the vehicle in front of them autonomously
Following traffic rules from a different region	Switch from follower to leader	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while they transition from follower to leader
Following traffic rules from a different region	Switch from leader to follower	Driving outside of platoon	E2	C1	S3	QM	Vehicles outside of a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while they transition from leader to follower
Following traffic rules from a different region	Joining platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while joining a platoon
Following traffic rules from a different region	Leaving platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while leaving a platoon
Following traffic rules from a different region	Leader of platoon	Driving inside of platoon	E3	C1	S3	A	Vehicles in a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while being the leader of a platoon
Following traffic rules from a different region	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while they are following the vehicle in front of them autonomously
Following traffic rules from a different region	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while they transition from follower to leader
Following traffic rules from a different region	Switch from leader to follower	Driving inside of platoon	E2	C1	S3	QM	Vehicles in a platoon shall follow traffic indications, signs and rules from the region the vehicle is in, while they transition from leader to follower
Not following the vehicle in front of this vehicle while this is desired	Joining platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow the vehicle in front of them while joining the platoon
Not following the vehicle in front of this vehicle while this is desired	Leaving platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow the vehicle in front of them while leaving the platoon
Not following the vehicle in front of this vehicle while this is desired	Following vehicle in platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow the vehicle in front of them while following a vehicle inside of the platoon
Not following the vehicle in front of this vehicle while this is desired	Switch from follower to leader	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow the vehicle in front of them while they transition from follower to leader
Not following the vehicle in front of this vehicle while this is desired	Switch from leader to follower	Driving outside of platoon	E2	C2	S3	A	Vehicles outside of a platoon shall follow the vehicle in front of them while they transition from leader to follower

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Not following the vehicle in front of this vehicle while this is desired	Joining platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow the vehicle in front of them while joining the platoon
Not following the vehicle in front of this vehicle while this is desired	Leaving platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow the vehicle in front of them while leaving the platoon
Not following the vehicle in front of this vehicle while this is desired	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall follow the vehicle in front of them while following a vehicle inside of the platoon
Not following the vehicle in front of this vehicle while this is desired	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow the vehicle in front of them while they transition from follower to leader
Not following the vehicle in front of this vehicle while this is desired	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall follow the vehicle in front of them while they transition from leader to follower
Following more than one vehicle in front of this vehicle	Joining platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow only one vehicle in front of them at a time, while joining the platoon
Following more than one vehicle in front of this vehicle	Leaving platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow only one vehicle in front of them at a time, while leaving the platoon
Following more than one vehicle in front of this vehicle	Following vehicle in platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow only one vehicle in front of them at a time, while they are following the vehicle in front of them autonomously
Following more than one vehicle in front of this vehicle	Switch from follower to leader	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall follow only one vehicle in front of them at a time, while they transition from follower to leader
Following more than one vehicle in front of this vehicle	Switch from leader to follower	Driving outside of platoon	E2	C2	S3	A	Vehicles outside of a platoon shall follow only one vehicle in front of them at a time, while they transition from leader to follower
Following more than one vehicle in front of this vehicle	Joining platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow only one vehicle in front of them at a time, while joining the platoon
Following more than one vehicle in front of this vehicle	Leaving platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow only one vehicle in front of them at a time, while leaving the platoon
Following more than one vehicle in front of this vehicle	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall follow only one vehicle in front of them at a time, while they are following the vehicle in front of them autonomously
Following more than one vehicle in front of this vehicle	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall follow only one vehicle in front of them at a time, while they transition from follower to leader
Following more than one vehicle in front of this vehicle	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall follow only one vehicle in front of them at a time, while they transition from leader to follower
Following a different vehicle than the vehicle in front of this vehicle	Joining platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall always follow the vehicle directly in front of them while joining the platoon
Following a different vehicle than the vehicle in front of this vehicle	Leaving platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall always follow the vehicle directly in front of them while leaving the platoon
Following a different vehicle than the vehicle in front of this vehicle	Following vehicle in platoon	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall always follow the vehicle directly in front of them while they are following the vehicle in front of them autonomously

Vehicle Hazard	Operational Mode	Operational Situation	Exposure	Control	Severity	ASIL	Functional Safety Goal
Following a different vehicle than the vehicle in front of this vehicle	Switch from follower to leader	Driving outside of platoon	E1	C3	S3	A	Vehicles outside of a platoon shall always follow the vehicle directly in front of them while they transition from follower to leader
Following a different vehicle than the vehicle in front of this vehicle	Switch from leader to follower	Driving outside of platoon	E2	C2	S3	A	Vehicles outside of a platoon shall always follow the vehicle directly in front of them while they transition from leader to follower
Following a different vehicle than the vehicle in front of this vehicle	Joining platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall always follow the vehicle directly in front of them while joining the platoon
Following a different vehicle than the vehicle in front of this vehicle	Leaving platoon	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall always follow the vehicle directly in front of them while leaving the platoon
Following a different vehicle than the vehicle in front of this vehicle	Following vehicle in platoon	Driving inside of platoon	E4	C3	S3	D	Vehicles in a platoon shall always follow the vehicle directly in front of them while they are following the vehicle in front of them autonomously
Following a different vehicle than the vehicle in front of this vehicle	Switch from follower to leader	Driving inside of platoon	E2	C3	S3	B	Vehicles in a platoon shall always follow the vehicle directly in front of them while they transition from follower to leader
Following a different vehicle than the vehicle in front of this vehicle	Switch from leader to follower	Driving inside of platoon	E2	C2	S3	A	Vehicles in a platoon shall always follow the vehicle directly in front of them while they transition from leader to follower