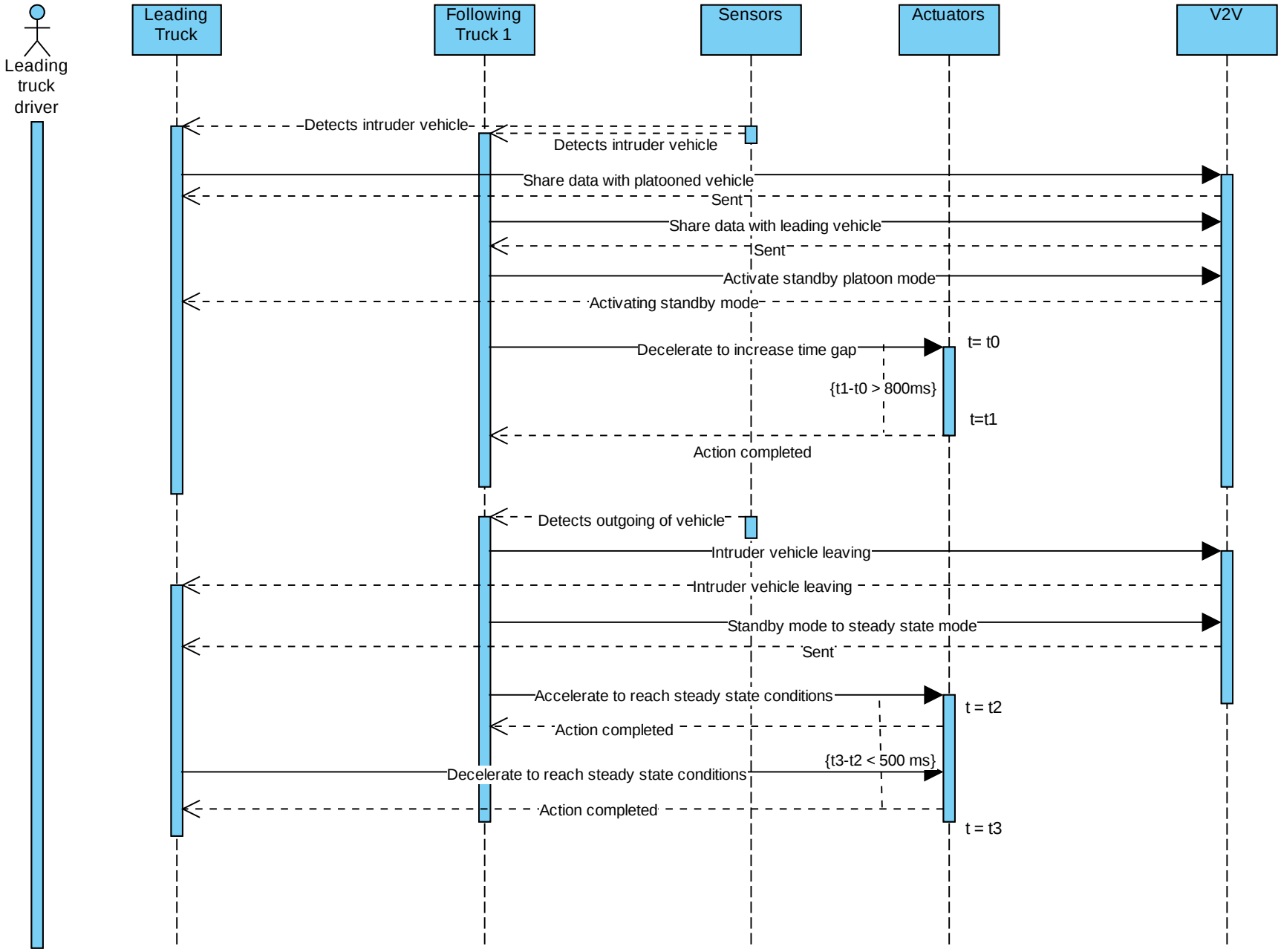

Pre-requirements for the scenario of intruding vehicles (road users)-

1) External environment and everything else is safe for platooning and any other anomaly is detected my system or maybe even driver.

2) All of the vehicles are in steady platooning state and continuously exchanging data through V2V.

3) This scenario takes place when the vehicles detect an intruding vehicle withing the platoon. This scenario assumes that the intrusion occurs between leading truck and the first following truck.

4) Another assumption is that the intruder car drives at a constant velocity ~ close to the speed of the leading truck

5) Standby platoon mode- where the changes are made using only the local sensors but still connected through V2V.

6) Safety time gap-
between following vehicle and intruder vehicle- $t1 - t0 > 800$ ms

7) After the intruder car leaves, standby platoon mode is deactivated and automatically prepares to engage in steady platoon mode.

8) The drive can manually be assisted using ACCS to help decrease the time in reaching the steady state platooning conditions.

9) Another scenario- EBS

Points to discuss-
- Should the platoon be splitted when the it the intruder vehicle stays too long ?
- Should the platoon be splitted when the distance between the leading vehicle and the following vehicle ?
- Connection quality ?
- What happens when it is splitted and the intruder vehicle leaves ? Which one becomes leading vehicle and so on.