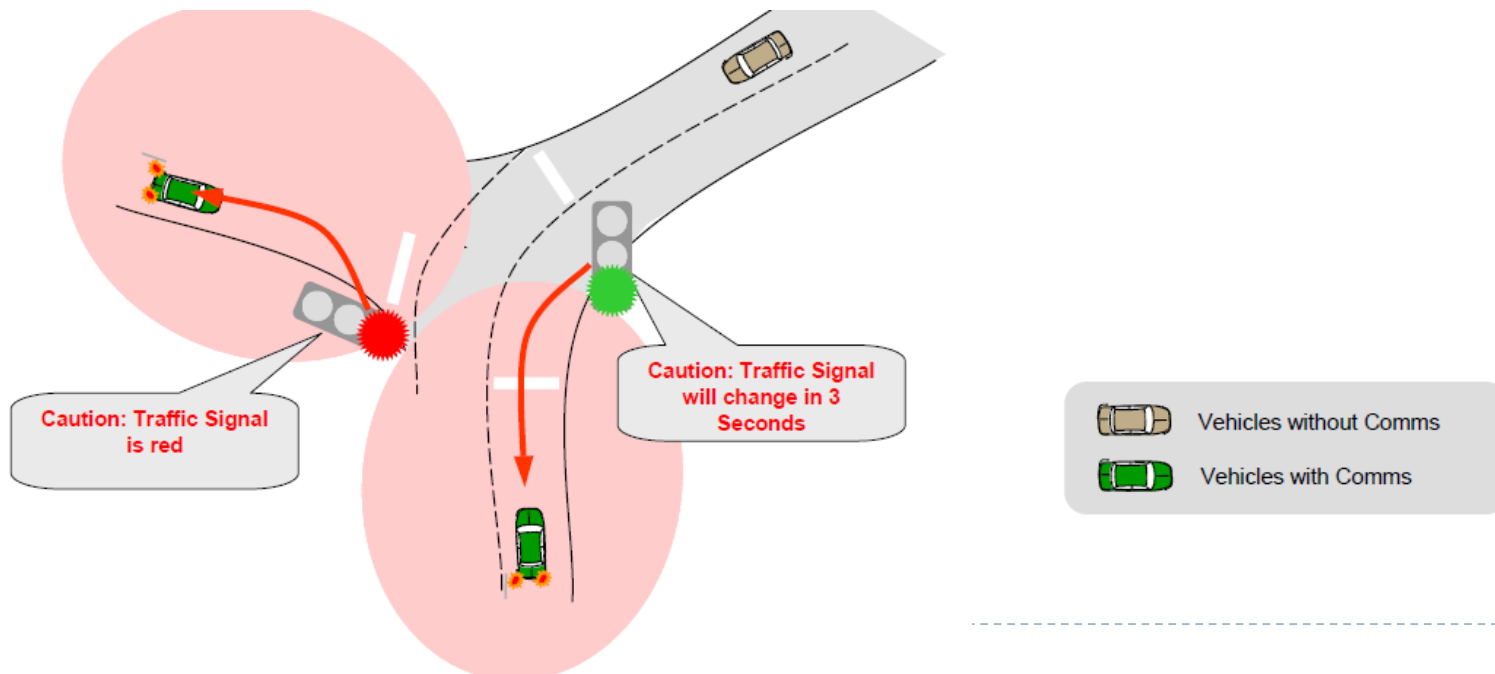


V2V Communication for Safety

Example : Traffic Signal Violation Warning

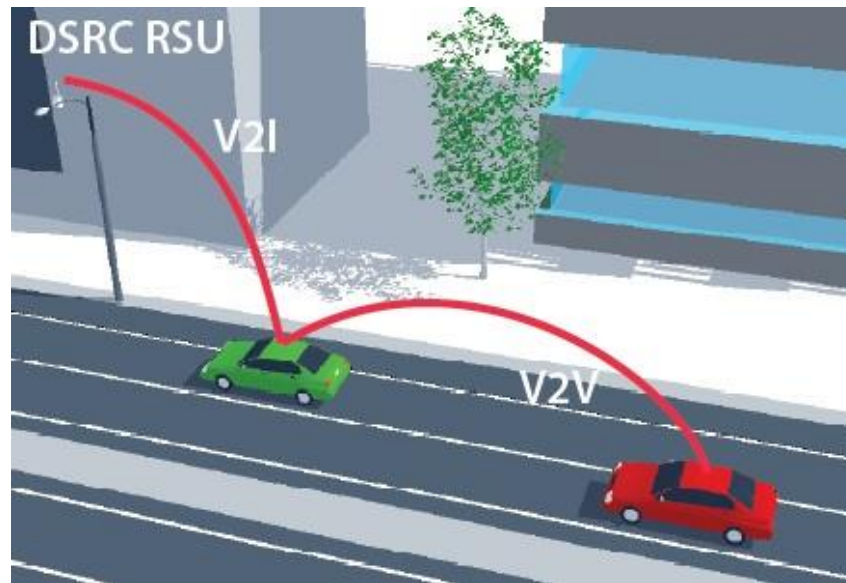
- Vehicles can be warned about an imminent change of a traffic light and if they are in danger of running a red light
- Traffic lights can send out their timing and phase to prevent red light violations and potential accidents



Technologies

DSRC (Dedicated Short Range Communication)

- The new tech combines Wi-Fi and GPS to create a new form of communication known as DSRC.
- The system works by making each vehicle a node on the network.



Technologies

DSRC (Dedicated Short Range Communication)

- DSRC is a multi-channel wireless standard that based on the IEEE 802.11a PHY and the IEEE 802.11 MAC.
- It is targeted to operate over a 75 MHz licensed spectrum in the 5.9 GHz band.

Bandwidth	75MHz (5.850 – 5.925GHz)
Modulation	QPSK OFDM
Channels	7 channels
Data Rate	1-54Mbps
Max Range	1000m
Min. Separation	10m

