

# The Translation of Singapore Traffic laws

## I. THE DETAILED TRAFFIC LAWS

### A. Rule2 – Drivers to give signals

- (1) The driver of a vehicle on a road shall, in order to inform the traffic that he intends to stop, slow down or to change the direction of the vehicle to the right or to the left, signal his intention by means of an approved type of direction indicator as laid down in the Road Traffic (Motor Vehicles, Construction and Use) Rules (R9).
- (2) Signals under this rule shall always be made in sufficient time to enable traffic to take appropriate action for the avoidance of danger.

Translated Version:

$$G((\text{direction} = \text{left} \implies F[-\text{realvalue}, 0](\text{turnSignal} = \text{left})) \wedge (\text{direction} = \text{right} \implies F[-\text{realvalue}, 0](\text{turnSignal} = \text{right})) \wedge (\text{speed} \leq \text{realvalue} \wedge \text{brake} \leq \text{realvalue} \implies F[-\text{realvalue}, 0](\text{warningFlashOn} \vee \text{turnSignal} \neq \text{off})) \wedge (\text{speed} \geq \text{realvalue} \wedge \text{brake} \geq \text{realvalue} \implies F[-\text{realvalue}, 0](\text{warningFlashOn} \vee \text{turnSignal} \neq \text{off})))$$

### B. Rule3 – Vehicle to be driven on part of road between centre and left hand edge of roadway

Every vehicle shall ordinarily be driven on that part of a road which lies between the centre thereof and the left-hand edge of the roadway; and shall, when overtaking any vehicle, except in those cases specifically referred to in these Rules, only do so in such manner as to leave the vehicle overtaken on its left or near side and to avoid causing inconvenience or danger to any person or other vehicle

Translated Version:

$$G((\neg \text{NPCLeft}(\text{realvalue}) \implies \text{currentLane.side} = \text{left}) \wedge ((\text{isChangingLane} \vee \text{isOverTaking}) \implies \text{turnsignal} = \text{right} \wedge \neg \text{NPCRight}(\text{realvalue})))$$

### C. Rule4 – Vehicle overtaking and passing another

The driver of a vehicle who intends to overtake and pass another vehicle proceeding in the same direction may, if he sees the driver of the latter vehicle make the signal to turn to the right or left as required by rule 2 and take the position required by rule 7, overtake and pass the said vehicle on its left or right side.

Translated Version:

$$G(\text{NPCAhead}(\text{realvalue}) \wedge \text{isOverTaking} \wedge \text{NPCBack.direction} \neq \text{forward} \implies \text{turnsignal} = \text{direction})$$

### D. Rule5 – Vehicle to keep close to left-hand edge of roadway

- (1) Every vehicle which is moving at a slow rate of speed shall be driven as close to the left-hand side of the roadway as possible.

- (2) Every vehicle shall at all times be driven in such manner as not to obstruct vehicles moving at a faster speed

Translated Version:

- (1) 
$$G(\text{speed} \leq \text{realvalue} \wedge \neg \text{NPCLeft}(\text{realvalue}) \implies \text{currentLane.side} = \text{left})$$
- (2) 
$$G((\neg \text{stoplineAhead}(\text{realvalue}) \wedge \neg \text{junctionAhead}(\text{realvalue}) \wedge \neg \text{isOverTaking} \wedge \neg \text{isChangingLane} \wedge \text{NPCRight}(\text{realvalue}) \implies \text{speed} \leq \text{NPCRight.speed}) \wedge (\neg \text{stoplineAhead}(\text{realvalue}) \wedge \neg \text{junctionAhead}(\text{realvalue}) \wedge \neg \text{isOverTaking} \wedge \neg \text{isChangingLane} \wedge \text{NPCLeft}(\text{realvalue}) \implies \text{speed} \geq \text{NPCLeft.speed}))$$

### E. Rule6 – Vehicle not to obstruct other vehicles at road intersection or junction

Every vehicle arriving at a controlled intersection or junction of roads which does not intend to turn right or left at the intersection or junction shall, on being released, move forward straight across such intersection or junction in such a manner as not to obstruct any other vehicle proceeding in the same direction on either side of such vehicle.

Translated Version:

$$G((\text{trafficLightAhead.color} = \text{green} \vee \text{trafficLightAhead.direction.color} = \text{green}) \wedge \text{direction} = \text{forward} \wedge \text{NPCAhead.speed} > \text{realvalue} \implies F[0, \text{realvalue}](\text{speed} > \text{realvalue}))$$

### F. Rule7 – Positioning of vehicle before making a turn at road intersection or junction

The driver or rider of a vehicle who intends to turn to the right at an intersection or junction of roads shall, before reaching such intersection or junction and as opportunity offers, move into the appropriate lane as indicated by the directional arrows to turn right and any driver or rider of a vehicle intending to turn to the left shall, as opportunity offers, move into the appropriate lane as indicated by the directional arrows to turn left.

Translated Version:

$$G(\text{junctionAhead}(\text{realvalue}) \wedge \text{direction} \neq \text{forward} \implies \text{direction} = \text{currentLane.direction})$$

### G. Rule8 – Vehicle making right turn at road intersection or junction

- (1) The driver or rider of a vehicle stationary at or approaching a controlled intersection or junction of roads and wishing to turn to the right shall, as soon as the intersection or junction is open to the vehicle, move forward

as near as possible to the centre of the intersection or junction and await a safe opportunity to complete the turn to the right.

- (2) When turning the driver or rider of the vehicle shall proceed with due regard for the safety of pedestrians crossing the road.

Translated Version:

- (1)
$$G((\text{trafficLightAhead.color} = \text{green} \vee \text{trafficLightAhead.direction.color} = \text{green}) \wedge \text{direction} = \text{right} \wedge \text{junctionAhead}(\text{realvalue}) \wedge \neg \text{NPCAhead}(\text{realvalue}) \wedge \neg \text{PriorityNPCAhead}(r) \Rightarrow F[0, \text{realvalue}](\text{speed} \geq \text{realvalue}))$$
- (2)
$$G(\text{direction} \neq \text{forward} \wedge \text{PriorityPedsAhead}(r) \Rightarrow F[0, \text{realvalue}](\text{speed} \leq \text{realvalue}))$$

#### H. Rule9 – Vehicle making left turn at controlled road intersection or junction

- (1) No driver or rider of a vehicle shall turn to the left at a controlled intersection or junction of roads when the signal facing such vehicle closes such intersection or junction, unless specifically permitted by these Rules so to turn
- (2) At particular intersections or junctions where the turn to the left into crossing traffic is permitted, notices, lines or signs as defined in the Road Traffic (Traffic Signs) Rules (R33) shall be placed to indicate such permission; and in such case the driver or rider of the vehicle shall proceed with due regard for the safety of pedestrians crossing the road and of the traffic stream which the vehicle seeks to enter.

Translated Version:

- (1)
$$G((\text{trafficLightAhead.color} = \text{red} \vee \text{trafficLightAhead.direction.color} = \text{red}) \wedge \text{direction} = \text{left} \wedge \text{junctionAhead}(\text{realvalue}) \Rightarrow F[0, \text{realvalue}](\text{speed} \leq \text{realvalue}))$$
- (2)
$$G(\text{direction} = \text{left} \wedge \text{leftTurnSign}(\text{realvalue}) \wedge \neg \text{PriorityNPCAhead}(r) \wedge \neg \text{PriorityPedsAhead}(r) \Rightarrow F[0, \text{realvalue}](\text{speed} \geq \text{realvalue}))$$

#### I. Rule10 – Vehicle to draw up or stop parallel and close to left-hand side of roadway

- (1) No person in charge of any vehicle shall draw up or stop the vehicle in any road except parallel with and close to the edge of the left-hand side of the roadway and facing the direction in which the traffic may lawfully move — (a) unless otherwise directed by notices, lines or signs or by a police officer in uniform engaged in the regulations of traffic; or (b) except within an authorised parking place in the centre of the road and as directed by notices or lines by a police officer in uniform engaged in the regulation

of traffic, and in any case in such manner as not to cause unnecessary obstruction or annoyance to persons using the road.

- (2) In a one-way road a vehicle may be drawn up or stopped on either side of the roadway but so that it faces the direction in which the traffic may lawfully move.

Translated Version:

- $$G(\neg((\text{direction} = \text{currentLane.direction} \wedge \text{currentLane.side} = \text{left}) \vee (\text{specialLocationAhead}(0) \wedge \text{specialLocationAhead.type} = \text{OnewayRoad})) \Rightarrow \text{gear} \neq \text{PARK})$$

#### J. Rule11 – Vehicle at uncontrolled road intersection or junction

- (1) The driver or rider of a vehicle arriving at an uncontrolled intersection or junction of roads shall give way to any vehicle approaching him from his right or offside.
- (2) The driver or rider of a vehicle arriving at an uncontrolled intersection or junction of a one-way road shall — (a) where the traffic flows from left to right, give way to any vehicle approaching him from his left or near side; and (b) where the traffic flows from right to left, give way to any vehicle approaching him from his right or offside.
- (3) The driver or rider of a vehicle arriving at a roundabout shall give way to any vehicle or stream of vehicles immediately approaching him from his right or offside.

Translated Version:

- (1-2)
$$G(\text{signalAhead} = \text{None} \wedge \text{PriorityNPCAhead}(r) \Rightarrow F[0, \text{realvalue}](\text{speed} \leq \text{realvalue} \vee \text{brake} \geq \text{realvalue}))$$
- (3)
$$G(\text{specialLocationAhead}(0) \wedge \text{specialLocationAhead.type} = \text{Roundabout} \wedge \text{PriorityNPCAhead}(r) \Rightarrow F[0, \text{realvalue}](\text{speed} \leq \text{realvalue} \vee \text{brake} \geq \text{realvalue}))$$

#### K. Rule12 – Ambulance, fire engine, etc., to have right of way

- (1) Any authorised ambulance or vehicle used as a fire engine or for military, police, civil defence or customs purposes shall, when on an urgent duty call, have the right of way over all other traffic if such vehicle makes known its approach by means of some distinctive siren, bell or multi-toned horn, as the case may be.
- (2) All traffic shall on the approach of any such vehicle, draw in as close to the left-hand or right-hand edge of the roadway as possible and all vehicles shall be brought to a standstill to allow a clear passage for such vehicle.
- (3) Such action shall only be required of traffic when the vehicle is giving its recognised audible warning.
- (4) Paragraph (1) shall not relieve the driver of any vehicle used for the purposes mentioned in that paragraph of his liability under the provisions of any law relating to dangerous, rash or negligent driving.

Translated Version:

(1)

$G(PriorityNPCAhead(r) \implies F[0, realvalue](speed \leq realvalue \vee brake \geq realvalue))$

(2)

$G(NPCBack.type = priorityVehicle \implies F[0, realvalue](speed \leq realvalue \vee brake \geq realvalue))$

*L. Rule13 – No vehicle to make U-turn at road intersection or junction*

- (1) No driver or rider of any vehicle shall make a U-turn at any road intersection, road junction or opening in a road divider unless he is permitted to do so by a road sign.
- (2) A driver or rider of any vehicle making a U-turn under paragraph (1) shall — (a) move as near as possible to the right-hand edge of the roadway; (b) give way to any on-coming vehicle; and (c) wait for a safe opportunity to complete the turn.
- (3) A driver or rider of any vehicle making a U-turn under this rule shall do so after the U-turn sign.

Translated Version:

(1)

$G(\neg UTurnSignAhead(realvalue) \implies \neg isTurningAround)$

(2)

$G((isTurningAround \implies currentLane.side = right) \wedge (isTurningAround \wedge PriorityNPCAhead(r) \implies F[0, realvalue](speed \leq realvalue \vee brake \geq realvalue)))$

*M. Rule22 – No person shall park a vehicle*

(a) on any road between the edge of a roadway and any portion of an unbroken white line or unbroken double white lines laid down on such road; (b) on any road where unbroken double yellow lines are laid down, from the point where such lines commence to the point they end; (c) on the side of any road between the hours of 7 a.m. and 7 p.m. on any day except Sundays or gazetted public holidays if on that side of the road an unbroken yellow line is laid down; (d) on the grass verge of a road; (e) within any pedestrian crossing; (f) within 6 metres of an intersection or junction of any road or street; (g) within 9 metres of a bus stop — (i) from the edge of the yellow demarcated box; or (ii) from the tip of a bus bay, except when the vehicle breaks down owing to a defect in the vehicle or its tyres; (h) within 3 metres on either side of any fire hydrant; (i) on any slip road or filter lane; (j) on any fly-over, underpass or the ramps leading to any fly-over or underpass; and (k) along the length of any road starting from the point where red transverse lines of not less than 1,000 mm in width are laid down perpendicular to the edge of the road, to the point those lines end.

Translated Version:

$G(NoParkingArea(realvalue) \implies \neg gear = park)$

*N. Rule24 – Restriction on stopping or parking of vehicles at taxi stops and taxi stands*

24. A person must not stop or park any vehicle other than a taxi at a taxi stop or taxi stand.

Restrictions on parking of vehicles within Demerit Points No Parking Zone 24A. No person shall park any vehicle within a Demerit Points No Parking Zone.

Restrictions on stopping of vehicles within Demerit Points No Stopping Zone 24B. No person shall stop any vehicle within a Demerit Points No Stopping Zone.

Translated Version:

$G((NoParkingArea(realvalue) \implies \neg gear = park) \wedge (NoStopArea(realvalue) \implies \neg speed \leq park))$

*O. Rule26 – Causing obstruction to vehicles proceeding along road junction*

Any person who drives or rides, or turns a vehicle or part thereof into a yellow box indicated by yellow lines connecting the 4 corners of — (a) a road junction and hatching the junction diagonally, notwithstanding that the light signals controlling the movement of vehicular traffic permit him to do so; or (b) an area of road at a road junction or on any part of the road as defined under rule 7(8) of the Road Traffic (Traffic Signs) Rules (R 33), notwithstanding that he has the right of way, and by doing so causes obstruction to any other vehicle proceeding to or along that road junction or any part of the road shall be guilty of an offence. Vehicles to give way to and not to obstruct buses entering, etc., Bus Give-Way Box 26A.—(1) Where — (a) a bus is entering a Bus Give-Way Box from a bus stop or a bus bay; or (b) a bus which is at a bus stop, or a bus bay, stops before entering a Bus Give-Way Box and the driver of the bus signals his intention to turn the bus into the Bus Give-Way Box, the driver or rider of a vehicle, driving or riding the vehicle in a Bus Give-Way Controlled Area and approaching the Bus Give-Way Box, shall stop before the Bus Give-Way Line and give way to the bus entering or waiting to enter the Bus Give-Way Box. (2) No person shall drive or ride any vehicle in, or cause or permit any vehicle to remain in, a Bus Give-Way Box so as to cause obstruction to any bus entering or about to enter the Bus Give-Way Box from a bus stop or a bus bay. No standing in carriageway at bus stop, bus terminus, taxi stand or taxi stop 26B. A person must not stand on or be present in any part of an area of a carriageway at a bus stop, bus terminus, taxi stand or taxi stop if — (a) that area is meant for an omnibus or taxi to pick up or set down passengers, and is marked on the road by means of yellow lines; and (b) a bus stand or pavement is adjacent to that area. No unauthorised persons in bus park area 26C.—(1) A person must not at any time be present in any part of a bus terminus or bus interchange — (a) that is intended for the parking of an omnibus or any other authorised bus, or in which an omnibus or authorised bus may be driven; and (b) that is not demarcated for access by pedestrians, unless the person — (i) is an authorised officer acting in the course of the authorised officer's duty; (ii) is a driver of — (A) an authorised bus; or (B) an omnibus for a

bus service that is operated by an omnibus operator occupying or using that bus terminus or bus interchange; or (iii) is a person who has been expressly authorised by the Registrar, an authorised officer or an employee of the omnibus operator occupying or using that bus terminus or bus interchange to be present in that part of that bus terminus or bus interchange. (2) Paragraph (1) does not apply to — (a) any bus terminus or bus interchange which is adjacent to, and not separated (whether completely or partially) by any kerb from, a carriageway; or (b) any road over which any motor vehicle may lawfully pass. (3) In paragraph (1), “authorised bus” means any bus in respect of which approval has been given by the Registrar for the bus to be parked at or driven in the bus terminus or bus interchange concerned.

Translated Version:

$$G(PriorityNPCAhead(r) \vee PriorityPedsAhead(r)) \implies F[0, realvalue](speed \leq realvalue \vee brake \geq realvalue)$$

*P. Rule28 – No vehicle to be driven, parked or ridden on footway of road*

(1) No vehicle, unless and to the extent excepted under paragraph (2) or (3), shall be driven, parked or ridden on the footway of a road. (2) Paragraph (1) shall not prevent any police officer in uniform from performing or discharging police duties. (3) Paragraph (1) does not prevent the driving or riding of any of the following on the footway of a road: (a) a bicycle; (b) a power-assisted bicycle; (c) a personal mobility device; (d) a mobility scooter (within the meaning given by the Active Mobility Act 2017 (Act 3 of 2017)); (e) a wheelchair (within the meaning given by the Active Mobility Act 2017), whether motorised or otherwise; (f) a pram, stroller or trolley, inline skates or roller-skates; (g) a wheeled toy (within the meaning given by the Active Mobility Act 2017).

Translated Version:

$$G(currentLane.side \neq None)$$