



SAS Virtual Chicane User Manual

1. Introduction

Virtual Chicanes are often used to break up long straights or slow vehicles down prior to a dangerous section of road in competitive stages, where physical chicanes are not possible. A Virtual Chicane works by designating a zone in which you must slow down and hit a target speed. This means you can hit that speed at any point within the zone and then accelerate back to competition speed. Virtual Chicanes will be indicated on the tracking unit, as well as physical boards on the approach an start and finish of the zone.

Some typical Virtual Chicane characteristics are as follows:

- A Virtual Chicane length of 200m to 300m
- A Virtual Chicane speed target of 40 to 60kph.

1.1. How to use a Virtual Chicane

When a car approaches the Virtual Chicane zone and reaches 300m prior to the zone, the unit will display a count down in meters as well as display the target speed of the zone on yellow, as seen in [figure 1](#) (below).



(figure 1)

When the vehicle finally reaches the start of the Virtual Chicane zone, the unit will begin to count down the remaining distance of the zone on white, with the target speed in the centre of the unit, as seen in [figure 2](#) (below). Once the vehicle has entered the zone, the vehicle should decelerate to the target speed immediately.



(figure 2)

Once the target speed has been reached, the top section of the screen will display green with "Speed Achieved – GO", as seen in [figure 3](#) (below).



(figure 2)

Once the top section of the screen has turned green and "Speed Achieved – GO" is displayed, the vehicle can return to competition speed.

1.2. What to do in case of unit failure

In the unlikely scenario that your tracking unit fails, there is a correct procedure to follow to ensure you meet the safety requirements of the stage, and ensure a fair sporting outcome.

When approaching the virtual chicane zone with a non-operation tracker, the crew are required to use the physical boards as the indication of the 300, 200, 100m, and when they are in the zone, indicated by the virtual chicane zone start board, they are required to reduce their speed to the speed target, utilizing the vehicles own speedometer, once the target speed is reached on their speedometer, that can proceed at competition speed.

Virtual Chicanes will be monitored by an external judge of fact to ensure that any vehicles with a non-operational tracker slow down the required speed target.

NOTE: Competitors should only use a different speed source in case the tracker is non-functional. In any other case, the tracker should be the only source of achieving the target speed.

1.3. Recommendations

Following is a list of recommendations to ensure to correct and smooth operation of the Virtual Chicane:

- Begin decelerating the vehicle as soon as you enter the Virtual Chicane zone; this ensures you have as much room to achieve the target speed as possible.
- The driver should remain focused on the road, and verbal notification of achieving the target speed should come from the co-driver.
- The only source of speed or achieving the Virtual Chicane shall be the Tracking unit; only if the tracking unit is not functioning shall the crew revert to the vehicle's speedometer.

2. Contact us

For assistance, please contact the RallySafe Support Team by emailing: wrc@statusas.com

Please be as descriptive as you can when describing the problem. It would help us if you provide the following information at a minimum:

- Name of the event.
- Vehicle or feature affected.
- Stage of the incident.
- Time of incident.
- Any additional details.