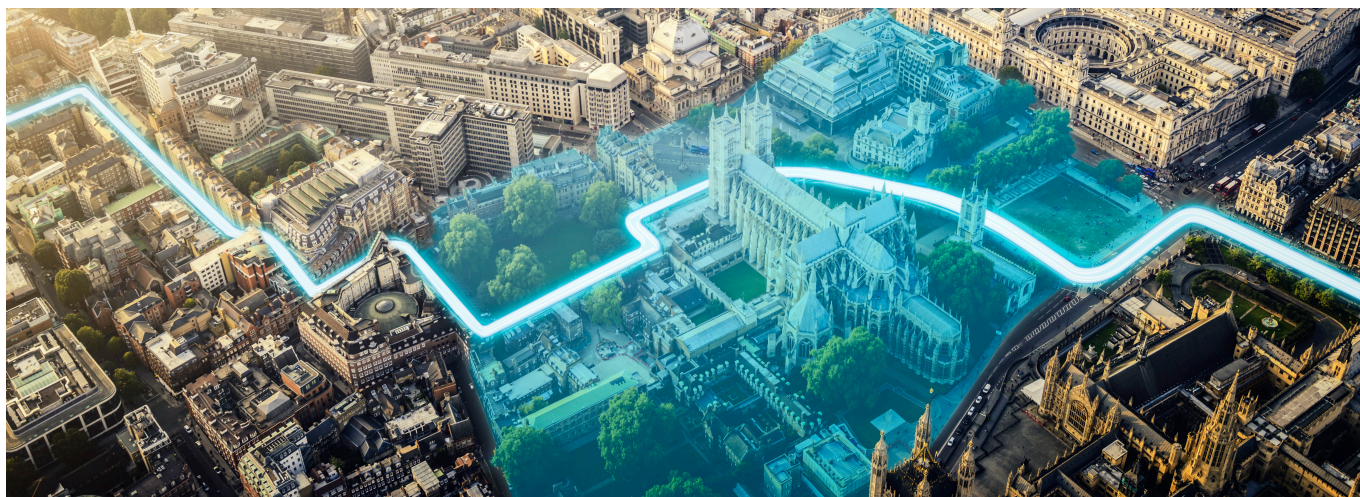




Volvo Buses. Driving quality of life

# VOLVO BUS SAFETY ZONE MANAGEMENT

A part of Volvo Bus Services – Fleet Management



## Full control

Zone Management is a Volvo service that helps the driver to comply with local regulations on noise, speed and emissions. The benefits for the city are increased safety, emission control and smoother traffic flow. Zone Management is connectivity-based. The drivers are notified when they are in safety zones, and the bus automatically adjusts driving mode and acts accordingly, even without intervention from the driver.

## Create geographical zones

By setting geofences, and sometimes also measuring the bus routes, and downloading them to the Fleet Management tool, it is possible to create geographical zones on which to apply recommendations, rules and restrictions valid for vehicles entering such zones. By carefully following the geographical position of the vehicle as well as of the different zones, the system makes the vehicle adjust automatically to the recommendations and restrictions given to specific zones.

## Zone characteristics

Each safety zone is given attributes. The main one is speed limit, but you can also define days of the week and times of the day during which the zones are valid. A zone can be valid for all or some of the vehicles in the fleet, for example only vehicles linked to a specific route. The zones can also overlap.

## Safety zones

By defining active low-speed zones, it is possible to ensure that the buses always keep the speed limits. The driver is informed when entering the zone, and the vehicle automatically adjusts to the specified speed limit. This feature is excellent for increasing the active safety around sensible areas such as schools, large bus stops and city centres. The feature can be used for both electromobility solutions and diesel buses.

## Coaching zones

Coaching zones is used in combination with the I-Coaching service. With I-Coaching, the driving parameters revving, idling, braking, accelerating, speeding and cornering are continuously monitored onboard. Using I-Coaching, a threshold level for each of the driving parameters is set, which is valid everywhere at all times. With the addition of coaching zones, it is possible to define zones and assign specific threshold levels to each zone, including days of the week and times of the day when the thresholds are valid. The coaching zones help the driver to drive more economically, safely and in a way that increases passenger comfort. The feature can be used for both electromobility solutions and diesel buses.

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## Requirements

Zone Management is a service within the Volvo Bus Fleet Management suite. It requires the activation of the Fleet Management services Reports, Events and Positions.

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