

New Features of OCIT-O Car and OCIT-O V3.0

Status information (CAM)

- Acquisition of vehicle data such as date, time, position, speed, direction and vehicle type

Environmental notifications (DENM)

- Acquisition of all environmental notifications
- Distribution of environmental notifications such as road works, accidents, critical sections from the traffic control center to the vehicles
- Retrieval of current environmental notifications

Priorization of public transport (CAM)

- Stand alone RSU to connect vehicles which are remote to an intersection

Additional features of OCIT-O V3.0

Status information (CAM)

- Aggregation of traffic data such as average speed, queue time, number of stops

Priorization of public transport (CAM)

- Transmission of prioritization requests from the central system to the traffic controller

Intersection topology (MAP)

- Configuration of topology information with the standardized remote configuration mechanism

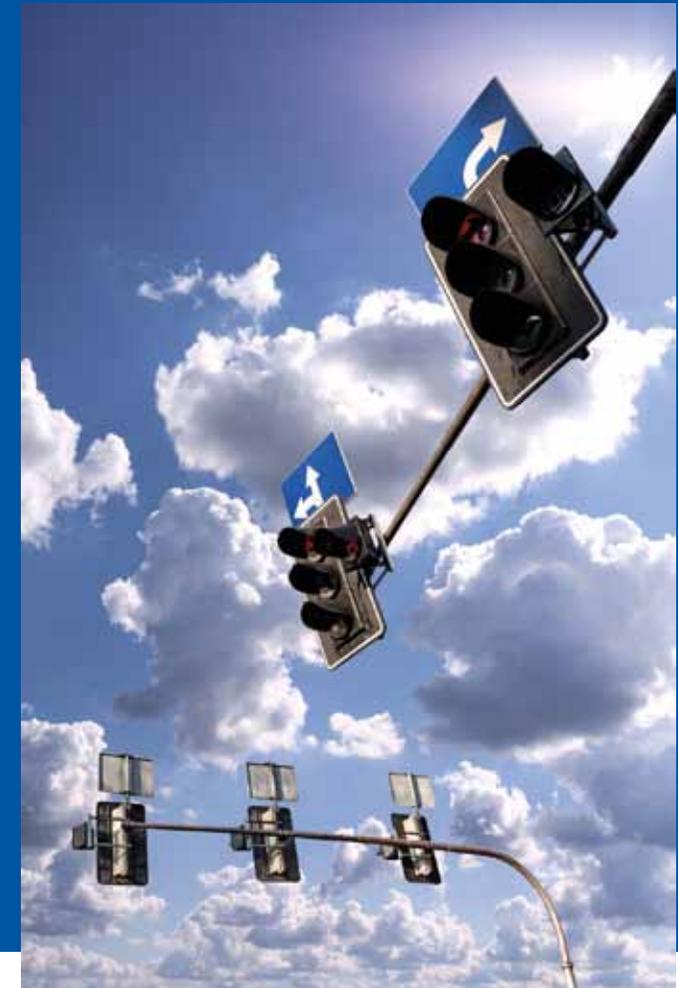
Signal prognosis (SPaT)

- Acquisition of forecasted signal state

ODG (OCIT Developer Group) is a working group of companies active in the signal business. The goal is to create, under the OCIT® brand, a common standard for the most important interfaces of traffic control systems.

OCIT® is a registered trademark of the companies AVT STOYE, Siemens, Stührenberg, SWARCO

OCIT goes cooperative



For further information

ODG (OCIT Developer Group)
Reinhard Schulze
Kelterstraße 67
72669 Unterensingen
Germany

M. +49 (151) 57120724
Email odg@ocit.org



Features of OCIT-Interface OCIT-O V3.0

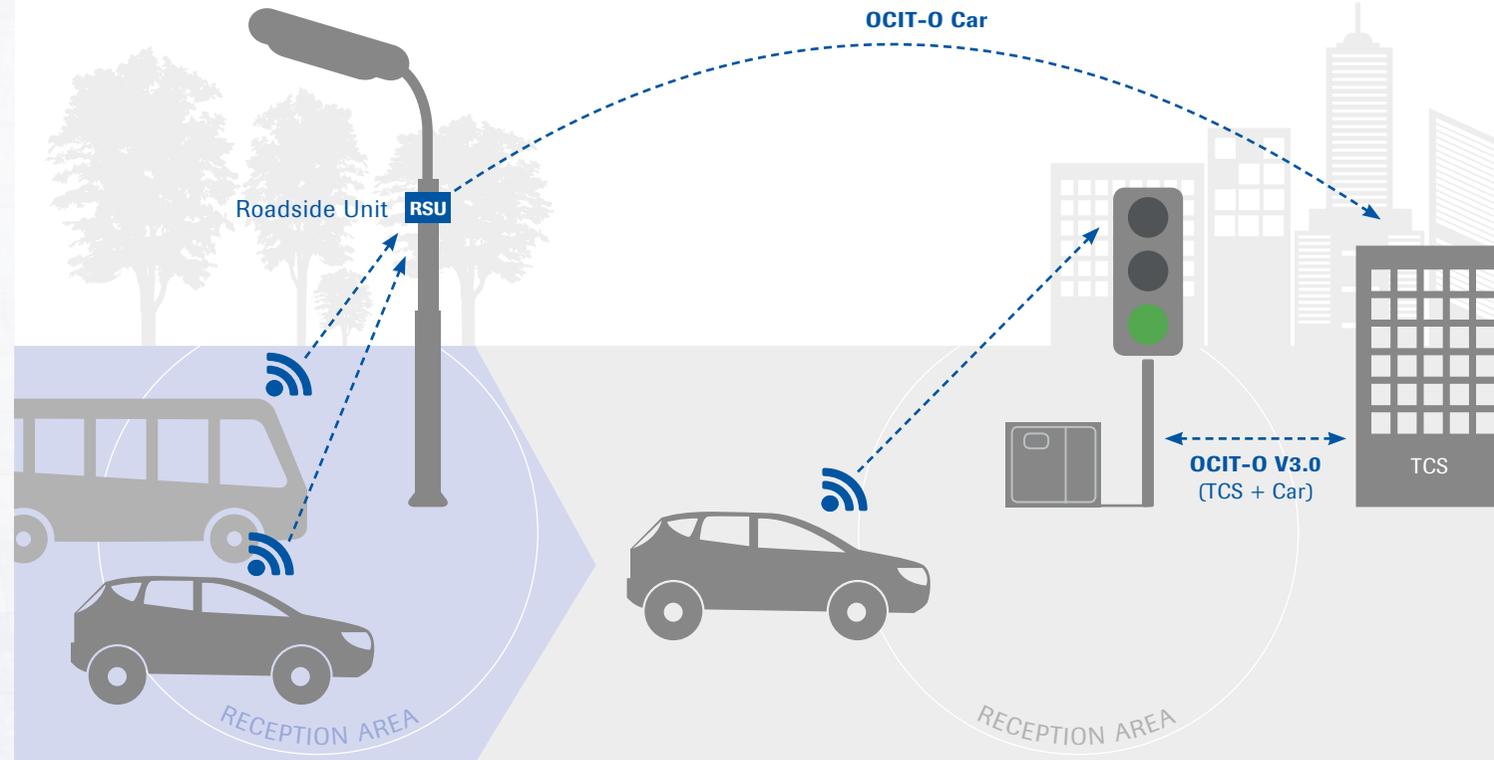
With OCIT-O V3.0 and the corresponding specifications of OCIT-C, the OCIT system offers the integration of cooperative radio-based infrastructure in the automotive environment. Thus it is possible to integrate the following in the traffic management:

- Environmental Notifications (Decentralized Environmental Notification Message, DENM)
- Quality control, statistics and acquisition of floating car data (Cooperative Awareness Message, CAM)
- Prioritization of public transport and special vehicles
- Forecast data (Signal Phase and Timing, SPaT)
- Configuration of topology information (MAP)

On one hand it is possible to transfer environmental notifications (DENM) **from the central system into the vehicles**. On the other hand it is possible to **acquire, filter environmental notifications from the vehicles and transfer them to the central system**. Thus the operator has an overview of the current traffic situation.

The moving traffic is acquired with CAMs. This data is transferred to a central system after aggregation and processing. CAM (request) and SPaT (acknowledge) messages are used to prioritize public transport (PT).

OCIT connects cooperative vehicles and traffic management



New: The Roadside Unit (RSU) of OCIT-O V3.0

OCIT-O V3.0 defines a **new component**, the so called Roadside Unit (RSU), which can be operated **independent from the traffic controller**. OCIT-O Car offers a possibility to connect a RSU with a traffic management system with a license at no charge. OCIT-O-Car offers a subset of necessary OCIT-O V3.0 functionality.

Using OCIT-O license is free of charge in general for system operators and using OCIT-O Car is free of charge for system operators and manufacturers.

