Glossary
CAR 2 CAR Communication Consortium

About the C2C-CC

Enhancing road safety and traffic efficiency by means of Cooperative Intelligent Transport Systems and Services (C-ITS) is the dedicated goal of the CAR 2 CAR Communication Consortium. The industrial driven, non-commercial association was founded in 2002 by vehicle manufacturers affiliated with the idea of cooperative road traffic based on Vehicle-to-Vehicle Communications (V2V) and supported by Vehicle-to-Infrastructure Communications (V2I). The Consortium members represent worldwide major vehicle manufactures, equipment suppliers and research organisations.

Over the years, the CAR 2 CAR Communication Consortium has evolved to be one of the key players in preparing the initial deployment of C-ITS in Europe and the subsequent innovation phases. CAR 2 CAR members focus on wireless V2V communication applications based on ITS-G5 and concentrate all efforts on creating standards to ensure the interoperability of cooperative systems, spanning all vehicle classes across borders and brands. As a key contributor, the CAR 2 CAR Communication Consortium and its members work in close cooperation with the European and international standardisation organisations.

Disclaimer

Document information

Number:	2053	Version:	n.a.	Date:	2025-07-11
Title:	CAR 2 CAR Communication Consortium Glossary			Document Type:	Technical Report
Release	1.6.8				
Release Status:	Public				
Status:	Final				

Table 1: Document information

Changes since last release

Release	Date	Changes	Edited by	Approved
1.6.8	2025-07-11	• No changes	Release Management	Steering Committee
1.6.7	2024-12-13	• No changes	Release Management	Steering Committee
1.6.6	2024-07-12	• No changes	Release Management	Steering Committee
1.6.5	2023-12-15	• Changed entry of: BSP • Added VSP	Release Management	Steering Committee
1.6.4	2023-07-21	No changes	Release Management	Steering Committee
1.6.3	2022-12-16	No changes	Release Management	Steering Committee
1.6.2	2022-07-22	No changes	Release Management	Steering Committee
1.6.1	2021-12-17	No changes	Release Management	Steering Committee
1.6.0	2021-07-23	Minor editorial changes	Release Management	Steering Committee
1.5.3	2021-03-12	No changes	Release Management	Steering Committee
1.5.2	2020-12-16	Minor editorial changes	Release Management	Steering Committee
1.5.1	2020-07-31	Minor corrections	Release Management	Steering Committee
1.5.0	2020-03-27	Initial setup of document	Release Management	Steering Committee

Table 2: Change since last release

Table of contents

List of figures

List of tables

1   Introduction and Scope

Other (informational)   **TR_Glos_00147**

This document provides abbreviations used within the CAR 2 CAR Communication Consortium specifications.

This glossary is the general CAR 2 CAR Communication Consortium Glossary. It might be extended by:

- abbreviation clauses in single specifications or
- other glossaries in further CAR 2 CAR Communication Consortium releases, e.g. Test Specifications

2   Abbreviations

All abbreviations which are used within CAR 2 CAR Communication Consortium specifications are listed below in an alphabetical order.

Other (informational)   **TR_Glos_01000**

Table 3: Abbreviations

Abbreviation	Meaning
AA	Authorization Authority
ABS	Anti-lock Braking System
AEB	Autonomous Emergency Braking
ASN.1	Abstract Syntax Notation One
ASR	Anti-Slip Regulation
AT	Authorization Ticket, a.k.a. Pseudonym Certificate (PC)
AUT	Automatic Transmission
BSP	Basic System Profile (deprecated term, use VSP instead)
BTP	Basic Transport Protocol
C2C-CC	Car2Car Communications Consortium
CA	Certification Authority
CAM	Cooperative Awareness Message
CBR	Channel Busy Ratio
CCMS	C-ITS Security Credential Management System
CDD	Common Data Dictionary
C-ITS	Cooperative ITS
CL	Channel Load
CPM	Collective Perception Message
DCC	Decentralized Congestion Control
DEN	Decentralized Environmental Notification
DENM	DEN Message
DSRC	Dedicated Short Range Communication
EAL	Evaluation Assurance Level
EC	Enrolment Credentials, a.k.a. Long-Term Certificate (LTC)
ECC	Elliptic Curve Cryptography
ECDSA	Elliptic Curve Digital Signature Algorithm
ECE	Economic Commission for Europe
ECIES	Elliptic Curve Integrated Encryption Scheme
EDR	ETSI Drafting Rules
ETSI	European Telecommunications Standards Institute
FCW	Forward Collision Warning
FIPS	Federal Information Processing Standard
GBC	Geo Broadcast
GN	Geo Networking
GNSS	Global Navigation Satellite System

HSM	Hardware Security Module
IC	Integrated Circuit
IEEE	Institute of Electrical and Electronics Engineers
IRC	Impact Reduction Container
ISO	International Organization for Standardization
ITS	Intelligent Transport System
ITS-AID	ITS - Application Object Identifier
ITS-S	ITS station
IVIM	In-vehicle Information Message (ISO/TS 19321)
IVS	In-vehicle Signage
MAP	Map message [SAE J2735 2016-01]
MAPEM	Map Extended Message [ISO/TS 19091 2019-06]
NIST	National Institute of Standards and Technology
OSP	Organisational Security Policy
PCI	Pre-Crash Information
PKI	Public Key Infrastructure
PoTi	Position and Time
PP	Protection Profile
PTW	Powered Two Wheeler (motorcycles and scooters)
PTx	Transmit Power
RFC	Request For Comments
SAE	Society of Automotive Engineers
SCF	Store Carry Forward
SDO	Standards Developing Organization
SFR	Security Functional Requirement
SHB	Single Hop Broadcast
SPaT	Signal, Phase and Timing Message [SAE J2735 2016-01]
SPATEM	Signal, Phase and Timing Extended Message [ISO/TS 19091 2019-06]
SSP	Service Specific Permissions
ST	Security Target
TAI	Temps Atomique International
TC	Traffic class
TC ID	Traffic Class Identifier
TOE	Target Of Evaluation
TRCO	Triggering Condition
TSF	TOE Security Functionality
TTC	Time To Collision
UTC	Coordinated Universal Time
V2V	Vehicle to Vehicle
V2X	Vehicle to anything
VCS	Vehicle C-ITS station
VSP	Vehicle C-ITS station profile
WG	Working Group

WGS	World Geodetic System