

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

The present document has been developed within the CAR 2 CAR Communication Consortium and might be further elaborated within the CAR 2 CAR Communication Consortium. The CAR 2 CAR Communication Consortium and its members accept no liability for any use of this document and other documents from the CAR 2 CAR Communication Consortium for implementation. CAR 2 CAR Communication Consortium documents should be obtained directly from the CAR 2 CAR Communication Consortium.

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CAR 2 CAR Communication Consortium



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Table 1: Document information



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Table 2: Change history

CAR 2 CAR Communication Consortium



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CAR 2 CAR Communication Consortium



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	Vehicle C-ITS station Profile
ВТР	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
СРМ	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



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 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	IC	Integrated Circuit
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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	TC	Traffic class
TRCO Triggering Condition TSF TOE Security Functionality TTC Time To Collision UTC Coordinated Universal Time V2V Vehicle to Vehicle V2X Vehicle to anything	TC ID	Traffic Class Identifier
TRCO Triggering Condition TSF TOE Security Functionality TTC Time To Collision UTC Coordinated Universal Time V2V Vehicle to Vehicle V2X Vehicle to anything	TOE	Target Of Evaluation
TTC Time To Collision UTC Coordinated Universal Time V2V Vehicle to Vehicle V2X Vehicle to anything	TRCO	
TTC Time To Collision UTC Coordinated Universal Time V2V Vehicle to Vehicle V2X Vehicle to anything	TSF	TOE Security Functionality
V2V Vehicle to Vehicle V2X Vehicle to anything	TTC	Time To Collision
V2X Vehicle to anything	UTC	Coordinated Universal Time
V2X Vehicle to anything		
VCS Venicle C-115 station	VCS	Vehicle C-ITS station
WG Working Group		
WGS World Geodetic System		· ·