COLLISION INDUSTRY
CONFERENCE

CIC Wiki-Glossary Updates

Automotive Scan, Diagnostics, Calibration and Programming

Emerging Technologies Committee

PRESENTED BY:

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Emerging Technologies Glossary Updates; Definitions

CIC WIKI www.ciclink.com/wiki-glossary/
www.ciclink.com/automotive-scan-diagnostics-calibration-and-programming/

Advanced Scan, Diagnostics, Calibration and Programming

CLEARING THE CONFUSION:
Recommended Common Naming for Advanced Driver Assistance Technologies

Advanced Driver Assistance Systems (ADAS) have become increasingly prevalent on new vehicles, but the terminology used by automakers to describe them varies widely and so far has focused on marketing strategies.

The common naming outlined is simple, specific and based on system functionality. The list is meant to aid in reducing driver confusion and define the functions of ADAS in a consistent manner. **This is critical to ensure that drivers are aware these systems are designed to assist, not replace an engaged driver.**

The list is not meant to replace automaker proprietary system or package names, but rather help identify key functions within those packages and provide clarity to consumers. *The list will be continually refined as we work with other stakeholders and as new systems are developed.*

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Industry Terms to describe ADAS Features and Functions

https://www.sae.org/binaries/content/assets/cm/content/miscellaneous/adas-nomenclature.pdf

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COLLISION WARNING

Blind Spot Warning: Detects vehicles in the blind spot while driving and notifies the driver to their presence. Some systems provide an additional warning if the driver activates the turn signal.

Forward Collision Warning: Detects a potential collision with a vehicle ahead and alerts the driver. Some systems also provide alerts for pedestrians or other objects.

Lane Departure Warning: Monitors vehicle's position within the driving lane and alerts driver as the vehicle approaches or crosses lane markers.

Parking Collision Warning: Detects objects close to the vehicle during parking maneuvers and notifies the driver.

Rear Cross Traffic Warning: Detects vehicles approaching from the side at the rear of the vehicle while in reverse gear and alerts the driver. Some systems also warn for pedestrians or other objects.

Industry Terms to describe ADAS Features and Functions

https://www.sae.org/binaries/content/assets/cm/content/miscellaneous/adas-nomenclature.pdf

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COLLISION INTERVENTION

Automatic Emergency Braking: Detects potential collisions with a vehicle ahead, provides forward collision warning, and automatically brakes to avoid a collision or lessen the severity of impact. Some systems also detect pedestrians or other objects.

Automatic Emergency Steering: Detects potential collisions with a vehicle ahead and automatically steers to avoid or lessen the severity of impact. Some systems also detect pedestrians or other objects.

Reverse Automatic Emergency Braking: Detects potential collisions while in reverse gear and automatically brakes to avoid or lessen the severity of impact. Some systems also detect pedestrians or other objects.

Industry Terms to describe ADAS Features and Functions

https://www.sae.org/binaries/content/assets/cm/content/miscellaneous/adas-nomenclature.pdf

PARKING ASSISTANCE

Backup Camera: Displays the area behind the vehicle when in reverse gear.

Surround View Camera: Displays the immediate surroundings of some or all sides of the vehicle while stopped or during low-speed maneuvers.

Active Parking Assistance: Assists with steering and potentially other functions during parking maneuvers. Driver may be required to accelerate, brake, and/or select gear position. Some systems are capable of parallel and/or perpendicular parking. The driver must constantly supervise this support feature and maintain responsibility for parking.

Remote Parking Assistance: Without the driver being physically present inside the vehicle, provides steering, braking, accelerating and/or gear selection while moving a vehicle into or out of a parking space. The driver must constantly supervise this support feature and maintain responsibility for parking.

Trailer Assistance: Assists the driver with visual guidance while backing towards a trailer or during backing maneuvers with a trailer attached. Some systems may provide additional images while driving or backing with a trailer. Some systems may provide steering assistance during backing maneuvers.

Industry Terms to describe ADAS Features and Functions

https://www.sae.org/binaries/content/assets/cm/content/miscellaneous/adas-nomenclature.pdf

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DRIVING CONTROL ASSISTANCE

Adaptive Cruise Control: Cruise control that also assists with acceleration and/or braking to maintain a driver selected gap to the vehicle in front. Some systems can come to a stop and continue while others cannot.

Lane Keeping Assistance: Provides steering support to assist the driver in preventing the vehicle from departing the lane. Some systems also assist to keep the vehicle centered within the lane.

Active Driving Assistance: Provides steering and brake/acceleration support to the driver at the same time. The driver must constantly supervise this support feature and maintain responsibility for driving.

Industry Terms to describe ADAS Features and Functions

https://www.sae.org/binaries/content/assets/cm/content/miscellaneous/adas-nomenclature.pdf

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OTHER DRIVER ASSISTANCE SYSTEMS

Automatic High Beams: Switches between high and low beam headlamps automatically based on lighting and traffic.

Driver Monitoring: Observes driver actions to estimate if they are not engaged in the task of driving. Some systems may monitor eye movement and/or head position.

Head-Up Display: Projects information relevant to driving into the driver's forward line of sight.

Night Vision: Improves forward visibility at night by projecting enhanced images on instrument cluster or head-up display.

CIC Wiki-Glossary new Definition/Edit Requests
www.ciclink.com/wiki-glossary/

Wiki Introduction

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Glossary Pages

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Wiki Introduction

CIC Wiki/Glossary
Jargon which describes the terms used in the collision repair industry in the United States.

This Wiki is maintained by the CIC Definitions Committee.
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All additions and/or corrections should be reported using the form below.

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Enter your definition suggestion here for either a suggested update to an existing definition or a definition that is missing from current lists
Please designate Glossary page you are referring too
General, Parts, Frame, Scanning/calibration, etc.

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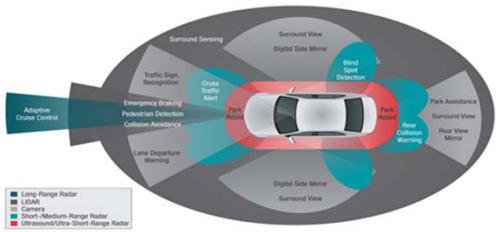
Questions ?



AAA

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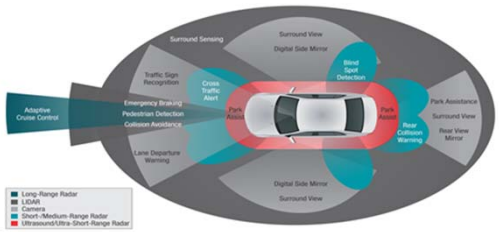

Thank You!!

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Equipment and Tool Institute (ETI)

PRESENTED BY:

BRIAN PLOTT

ETI
EQUIPMENT
AND TOOL INSTITUTE

Who we are:

History

- Established 1947—Product of WWII
- Organizer and Advocate for tool and equipment industry
- Became very active in emissions regulation and diagnostic testing
- Clean Air Act—ETI called out as neutral party to maintain, manage and distribute OEM diagnostic data (TEKNET)

Today

Industry Advocate

- Manage OEM OBD Data distribution and licensing for many OEM's
- Major Events—Tool Tech, Summer Tech Week, Winter Tech Week—Networking and information
- Association Relations/Collaboration—Auto Care Assn, AASA, NASTF, ASA, SEMA, others
- OEM relations
- Regulatory Relations—ISO, SAE,

Tomorrow

Industry advocacy in support of our members

- Emerging Technologies—EV, Autonomous,
- Data/Vehicle/Cyber Security
- New diagnostic technologies—evolution of data, tools, and vehicles
- Impact of changes on Collision—new technologies, new tools, new processes, every repair unique, financial business models
- Technology training and education for technicians and shop owners

Tomorrow

ETI Leading the way

- Staff and membership = industry leaders in aftermarket technology
- Neutral position provides on-going collaboration across all aspects of aftermarket and OEM industries
- Focusing more heavily on the challenges facing the collision industry
- Looking to work with you more closely to find ways that we can help.

Thank you!

Questions?