

ADS IWG Working Document
Change Proposal Form
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Document Reference

ADS-12-04

Date

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Agenda item

Proposed by (affiliation only—no personal information)
China

Summary of Change (25 words or less)

Proposal for text changes of safety concept in section 6.3.1.1.2

Reason for Change (Justification)

1) For item a) and b) in 6.3.1.1.2

Considering "end-to-end model" of the ADS software, there are no independent perception model and decision and planning model, so it can not be outlined "a) Perception and objects detection" & "b) Characterisation of decision-making" separately. Therefore it is suggested to add "if applicable" in item a) and item b).

2) For item f) of 6.3.1.1.2

"Redundancies of components and/or connections" is not a "MUST" solution to achieve the safety goal. It is unnecessary to achieve safety goal by using redundancies for all components. It depends on the architectural schemes and implementation of a specific ADS. In order to avoid misunderstanding, therefore it is suggested to add "relevant" before "components".

3) for item e) of 6.3.1.1.2

Editorial error : "e.g. Data storage System for Automated Driving" should be "e.g. Data storage System for Automated Driving"

Location

ADS-10-05 6.3.1.1.2

Original text

6.3.1.1.2. The outline shall include how the following elements are addressed:

(a) Perception and objects detection (including mapping and positioning),

- (b) Characterisation of decision-making,
- (c) [Remote supervision and remote monitoring by a remote supervision centre (if applicable),]
- (d) Information display/user interface,
- (e) [The data storage system (e.g., Data Storage System for Automated Driving), and]
- (f) Redundancies of components and/or connections.

Revised text

6.3.1.1.2. The outline shall include how the following elements are addressed:

- (a) Perception and objects detection including mapping and positioning **(if applicable)**;
- (b) Characterisation of decision-making **(if applicable)**;
- (c) Remote supervision and remote monitoring by a remote supervision centre (if applicable);
- (d) Information display/user interface;
- (e) The data storage system (e.g., **Data** Storage System for Automated Driving); and
- (f) Redundancies of **relevant** components and/or connections.