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AMENDMENT 1
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Road vehicles — Diagnostic communication over Controller Area Network (DoCAN) —

Part 4: Requirements for emissions-related systems — Amendment 1

Véhicules routiers — Diagnostic sur gestionnaire de réseau de communication (DoCAN) — Partie 4: Exigences applicables aux systèmes associés aux émissions — Amendement 1

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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to ISO 15765-4:2011 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 3, *Electrical and electronic equipment*.

Road vehicles — Diagnostic communication over Controller Area Network (DoCAN) —

Part 4: Requirements for emissions-related systems — Amendment 1

Page 16, 10.2.3

Replace the whole paragraph with the following:

The maximum number of legislated OBD/WWH-OBD related ECUs that support 11 bit CAN identifiers shall not exceed eight. The network layer of the external test equipment shall be capable of receiving segmented data from eight legislated OBD/WWH-OBD ECUs in parallel.

The maximum number of legislated OBD/WWH-OBD related ECUs that support 29 bit CAN identifiers shall be according to the definitions in 10.5.3.

Page 21, 10.5.3

Replace Table 8 with the following:

Table 8 — 29 bit legislated OBD/WWH-OBD CAN identifiers

CAN identifier	Description
0x18 DB 33 F1	Functional request CAN identifier from external test equipment to ECUs with #33
0x18 DA XX F1	Physical request CAN identifier from external test equipment to ECU #XX
0x18 DA F1 XX	Physical response CAN identifier from ECU #XX to external test equipment
Each legislated OBD-compliant server/ECU, which responds to external test equipment compliant to either ISO 15031-4/ SAE J1978 or ISO 27145-6 requests, is required to support the InfoType "ECUNAME" (see SAE J1979-DA). The mapping between a server/ECU address and the name (ECUNAME) of the server/ECU shall be performed by the external test equipment.	

Replace the last paragraph with the following:

Addresses in the ranges defined in Table 9 are available for legislated OBD/WWH-OBD ECUs. The maximum number of legislated OBD/WWH-OBD ECUs, which respond to external test equipment compliant to either ISO 15031-4/SAE J1978 or ISO 27145-6 requests, is only limited by the available address ranges as defined in Table 9 and response message timing performance ($P2_{Client\_max}$) requirements.

The physical ECU diagnostic address ('0xXX') of an ECU embedded in the physical CAN identifiers shall be unique for an ECU in a given vehicle.

Table 9 — Physical ECU diagnostic addresses/ranges for 29 bit CAN identifiers

Address ('0xXX')/range	Description
0x00 – 0x32	Vehicle manufacturer reserved address range
0x34 – 0xEF	Vehicle manufacturer reserved address range

NOTE The addresses/ranges defined in Table 9 may also be used for ECUs which are not subject to legislative requirements.

Numbers of all subsequent tables within ISO 15765-4 will increment accordingly.

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