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From: Secretary-General of the European Commission,
signed by Mr Jordi AYET PUIGARNAU, Director

date of receipt: 15 February 2018

To: Mr Jeppe TRANHOLM-MIKKELSEN, Secretary-General of the Council of
the European Union

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Subject: ANNEX to the Commission Delegated Regulation (EU) .../... amending
Delegated Regulation (EU) 2015/68 as regards requirements relating to
Anti-Lock Braking Systems, high pressure energy storage devices and
hydraulic connections of the single-line type

Delegations will find attached document C(2018) 862 final ANNEX 1.

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ANNEX 1

ANNEX

to the

Commission Delegated Regulation (EU) .../...

amending Delegated Regulation (EU) 2015/68 as regards requirements relating to Anti-Lock Braking Systems, high pressure energy storage devices and hydraulic connections of the single-line type

ANNEX

Annexes I, IV and XIII to Delegated Regulation (EU) 2015/68 are amended as follows:

- (1) Annex I is amended as follows:
 - (a) point 2.2.1.21.2 is deleted;
 - (b) point 2.2.1.23 is replaced by the following:

"Tractors other than those referred to in point 2.2.1.21.1 which are fitted with anti-lock braking systems shall comply with the requirements of Annex XI.";
 - (c) in point 2.2.2.15.1.1, the words "This pressure shall not exceed 11 500 kPa" are deleted;
 - (d) the following points 2.2.2.15.1.1.1 and 2.2.2.15.1.1.2 are inserted:

2.2.2.15.1.1.1. This low pressure in the hydraulic energy storage devices shall not exceed 11 500 kPa for systems using energy storage devices with a maximum operational pressure of 15 000 kPa.

2.2.2.15.1.1.2. This low pressure in the hydraulic energy storage devices may exceed 11 500 kPa for systems using energy storage devices which are charged to a maximum operational pressure exceeding 15 000 kPa to comply with the prescribed braking performance."
- (2) In Annex IV, in part C (Hydraulic braking systems with stored energy), the following point 1.3.2.1.1 is inserted:

1.3.2.1.1. In case of systems using energy storage devices that are charged to a maximum operational pressure exceeding 15 000 kPa to comply with the requirements of the prescribed braking performance, the pressure in the energy storage devices at the beginning of the test shall be the maximum pressure provided for by the manufacturer."
- (3) Annex XIII is amended as follows:
 - (a) point 1.1 is replaced by the following

"A hydraulic connection of the single-line type may be installed on the tractor which is equipped with either of the following:

 - (a) any of the connection types referred to in point 2.1.4 of Annex I;
 - (b) any of the connection types referred to in points 2.1.5.1.1, 2.1.5.1.2 and 2.1.5.1.3 of Annex I. In this case, in order to avoid a duplication of a connector, the male connector of the hydraulic connection of the single-line type may be the male connector described in point 2.1.5.1.1 of Annex I, provided that the pressures that are generated on that connector comply with points 1.1.1, 1.1.2 and 1.1.3.";
 - (b) The following points 1.1.1, 1.1.2 and 1.1.3 are inserted:

1.1.1. In the case that a control line and a supplementary line of a towed vehicle are connected, the pressure p_m generated shall be in accordance with Diagram 2 of Appendix 1 to Annex II.

1.1.2. In the case that a towed vehicle with a hydraulic connection of the single-line type is connected, the pressure p_m generated shall be in accordance with point 2 or 3 of this Annex.

1.1.3. Detection of connected lines in points 1.1.1 and 1.1.2 shall be done by automatic means."