

Submitted by the expert from the Czech Republic

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agenda item 14

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 110

This document has been prepared in order to precise methodology of bonfire tests stated in Regulation No. 110 by using the methodology required by EN ISO 11439.

PROPOSAL:

Annex 3, Appendix A

Paragraph A.15.5., amend to read:

"Cylinders shall be pressurized with natural gas and tested in the horizontal position at both:

(a) working pressure;

(b) 25 per cent of the working pressure **if a PRD temperature triggered is not used.**

Immediately following ignition, the fire shall produce..."

JUSTIFICATION

The heating-up time at PRD pressure triggered, essential for opening pressure, is longer at cylinder filled partially than at cylinder filled to maximum pressure. In this case, it is necessary to conduct two bonfire tests with two cylinders pressurized differently.

However, the heating-up time at PRD temperature triggered, essential for opening of thermal fuse (at  $110\pm 10^{\circ}\text{C}$ ), is approximately the same (at different pressurizing). In this case, it is sufficient to conduct only one bonfire test with cylinder pressurized to maximum working pressure (which is the worst case) as required by EN ISO 11439:2000.

The above stated proposal is therefore harmonized with EN ISO 11439:2000 (Annex A, Paragraph A.15.5 of this EN ISO Standard).

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