

Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

Sub-Committee of Experts on the Transport of Dangerous Goods

17 November 2022

Sixty-first session

Geneva, 28 November-6 December 2022

Item 7 of the provisional agenda

Global harmonization of transport of dangerous goods regulations with the Model Regulations

Update of references to standards in the Manual of Tests and Criteria

Note by the secretariat

I. Introduction

1. At its January 2022 session, the ADN Safety Committee considered the amendments for entry into force on 1 January 2023 and agreed to update the reference to standard ISO 2431:2019. It was noted that the Manual of Tests and Criteria was also referring to the older version of the same standard. The secretariat was invited to notify the Sub-Committee of Experts on the Transport of Dangerous Goods (TDG Sub-Committee) of this change in the ADN and to check if an update of the reference to ISO 2431:1984 is necessary (see below the excerpt of the ADN Safety Committee report ECE/TRANS/WP.15/AC.2/80, para. 48):

48. The representative of FuelsEurope pointed out that in the classification criteria in 2.2.3.1.5 of ADN (flow-time), a reference is made to the Manual of Tests and Criteria, Part III, sub-section 32.4.3 which refers to tests included in ISO 2431:1984. In 3.2.4.2 of ADN (2.12 – Flow time) the existing reference to ISO 2431:1996 will be updated to ISO 2431:2019 following the proposal in point 2(a) of document ECE/TRANS/WP.15/AC.2/2022/4. The Safety Committee requested the secretariat to notify the UN Sub-Committee of Experts on the Transport of Dangerous Goods of this change in the ADN and to request whether an update of the reference to ISO 2431:1984 in the Manual of Tests and Criteria to ISO 2431:2019 was necessary, to avoid discrepancies in ADN requirements.

2. At its June/July 2022 session, the TDG Sub-Committee considered document ST/SG/AC.10/C.3/2022/45 and noted the inquiry of the ADN Safety Committee whether an update of the reference to ISO 2431:1984 in the Manual of Tests and Criteria to ISO 2431:2019 was necessary. Following the discussion, the TDG Sub-Committee noted that there were other references in some paragraphs of the Manual of Tests and Criteria which possibly need to be updated too, of which 7 standards are dated and 12 undated.

3. The TDG Sub-Committee invited the secretariat to consult with ISO on updates to the standards at stake and consider resubmitting an official document for the next session (see para. 114 of the TDG report ST/SG/AC.10/C.3/120 as reproduced below):

114. The Sub-Committee noted the request by the ADN Safety Committee to consider an update of the reference to standard ISO 2431. However, following an intervention by the expert from the Netherlands, the Sub-Committee noted that other references to standards could be considered for an update in the Manual of Tests and

Criteria too (seven standards were dated, while thirteen standards were not dated). It was also pointed out that updating of standards was done on a case-by-case basis, to ensure delegations had time to assess the changes from one version of the standard to another. The Sub-Committee invited the secretariat to consult with ISO on updates to the standards at stake and consider resubmitting an official document for submission for the next session.

4. The secretariat reached out to ISO and identified the most appropriate ISO working group to assist in updating these references. Thanks to the kind feedback by the chairpersons of those working groups, we collected the following information on the ISO standards concerned (see table below with a list of the references in the MTC paragraphs concerned):

Paragraph	ISO standard	TC and/or SC responsible
31.3.3	ISO/FDIS 13943:1999	TC92
	ISO 13943:2017(en) Fire safety — Vocabulary ISO 13943:2017(fr) Sécurité au feu — Vocabulaire https://www.iso.org/obp/ui/#iso:std:iso:13943:ed-3:v1:en https://www.iso.org/obp/ui/#iso:std:iso:13943:ed-3:v1:fr	
31.5.2.2.2	ISO/IEC 17025:1999	CASCO
	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The sentence where the reference to this standard appears in MTC 31.5.2.2.2 – the revision of the standard would not require revision of the sentence beyond updating the reference. The 2017 version of the standard still includes requirements related to records generated in a laboratory.	
32.2.5	ISO 2592 (undated)	TC28
	ISO 2592:2017 under systematic review	
32.4.1	ISO 1516 / 1523 / 2719 / 13736 / 3679 / 3680 (all undated)	TC28
	ISO 1516:2002 confirmed in 2018; ISO 1523:2002 confirmed in 2018; ISO 2719:2016 confirmed in 2021; ISO 13736:2021 (2 nd edition); ISO 3679 under proof, to be published in 2022; ISO 3680:2004 withdrawn in 2015.	
32.4.2.2	ISO 1523:1983	TC28
	ISO 1523:2002 confirmed in 2018	
32.4.3	ISO 2431:1984	TC35/SC9
	Copy of ISO 2431:2019 circulated by email Paints and varnishes — Determination of flow time by use of flow cups Peintures et vernis — Détermination du temps d'écoulement au moyen de coupes d'écoulement	
32.6	ISO 3924 / 4626 / 3405 (all undated)	TC28
	ISO 3924:2019 (5th edition); ISO 3405:2019 (5th edition) Copy of ISO 4626:2022 circulated by email Volatile organic liquids — Determination of boiling range of organic solvents used as raw materials Liquides organiques volatils — Détermination de l'intervalle de distillation des solvants organiques utilisés comme matières premières	

35.2.3	ISO 10156:2010	TC58/SC2
	<p>Copy of ISO 10156:2017 circulated by email</p> <p>Gas cylinders — Gases and gas mixtures — Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets</p> <p>Bouteilles à gaz — Gaz et mélanges de gaz — Détermination du potentiel d'inflammabilité et d'oxydation pour le choix des raccords de sortie de robinets</p>	
37.4.2	ISO 3574 (undated)	TC17/SC12
	<p>Copy of ISO 3574:2012 circulated by email</p> <p>Paints and varnishes — Determination of flow time by use of flow cups</p> <p>Peintures et vernis — Détermination du temps d'écoulement au moyen de coupes d'écoulement</p>	
41.3.1	ISO 1161:1984	TC104
	<p>Copy of ISO 1161:2016 circulated by email</p> <p>Series 1 freight containers — Corner and intermediate fittings — Specifications</p> <p>Conteneurs de la série 1 — Pièces de coin et pièces de fixation intermédiaires — Spécifications</p>	
41.2.3.1	ISO 6487:2002	TC22/SC36
	<p>Copy of ISO 6487:2015 circulated by email</p> <p>Road vehicles — Measurement techniques in impact tests — Instrumentation</p> <p>Véhicules routiers — Techniques de mesurage lors des essais de chocs — Instrumentation</p>	
A11.2.1 & A11.2.3	ISO 14446 (undated)	TC35
	<p>Copy of ISO 14446:1999 circulated by email</p> <p>Binders for paints and varnishes — Determination of the viscosity of industrial cellulose nitrate solutions and classification of such solutions</p> <p>Liants pour peintures et vernis — Détermination de la viscosité des solutions de nitrate de cellulose industrielles et classification de ces solutions</p>	

5. The secretariat received a copy of some of the ISO standards listed in the table above and circulated them by email to TDG delegates on 17 November 2022.
6. Please keep in mind that ISO standards are licensed by ISO/CS for single-user license only, copying and networking are prohibited.
7. The Sub-Committee may wish to consider the information above and to decide on the best way forward to update the MTC references to these ISO standards.