

<b>STN P</b>	<b>Prevádzka, servis, údržba, oprava a vyradenie z prevádzky chladiacich zariadení, klimatizačných zariadení a tepelných čerpadiel obsahujúcich horľavé chladivá, dopĺňujúce existujúce normy</b>	<b>STN P CEN/TS 17607</b>  14 0651
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Operation, servicing, maintenance, repair and decommissioning of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, complementing existing standards

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/21

Táto predbežná STN je určená na overenie. Pripomienky zasielajte ÚNMS SR najneskôr do 28. 2. 2023.

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TECHNICAL SPECIFICATION  
SPÉCIFICATION TECHNIQUE  
TECHNISCHE SPEZIFIKATION

# CEN/TS 17607

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ICS 23.080; 27.200; 91.140.30

English Version

## Operation, servicing, maintenance, repair and decommissioning of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, complementing existing standards

Exploitation, entretien, maintenance, réparation et  
mise hors service d'équipements de réfrigération, de  
climatisation et de pompes à chaleur contenant des  
réfrigérants inflammables, en complément des normes  
existantes

Betrieb, Wartung, Instandhaltung, Reparatur und  
Außerbetriebnahme von Kälte-, Klima- und  
Wärmepumpenanlagen, die brennbare Kältemittel  
enthalten, zur Ergänzung bestehender Normen

This Technical Specification (CEN/TS) was approved by CEN on 1 February 2021 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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**CEN/TS 17607:2021 (E)**

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## **European foreword**

This document (CEN/TS 17607:2021) has been prepared by Technical Committee CEN/TC 182 “Refrigerating systems, safety and environmental requirements”, the secretariat of which is held by DIN.

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

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**CEN/TS 17607:2021 (E)****Introduction**

The adoption of refrigerants with low Global Warming Potential, in response to concerns about the effect of some fluorocarbons on climate, has raised the profile of fluids which were previously limited in their use due to flammability. As the industry moves towards greater use of low GWP flammable refrigerants, in particular from flammability class A3, it is important to ensure that operation, service and decommissioning practices also change to support this technology transition.

The need for technical specifications for all stakeholders in operation and service is particularly important.

The purpose of this document is to provide information to ensure acceptable risk levels when applying flammable refrigerants.

This document therefore provides technical specifications to the companies and individuals directly involved in activities at the worksite; the owner, his operational staff that provide routine maintenance, subcontractors that undertake specialist service work of various types and decommissioning contractors.

## 1 Scope

This document provides technical specifications for the operation, servicing, maintenance, repair and decommissioning of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, in particular from class A3, complementing existing standards.

Refrigerants from toxicity class B are excluded from this scope.

This document includes risk mitigation measures not yet addressed in existing standards for specific refrigerant classes, or not fully reflecting the state of the art, and establishes complementary technical specifications for the operation, servicing, maintenance, repair and decommissioning.

The following aspects are considered:

- explosive atmosphere workplace and equipment;

NOTE Further information can be found in Directive 99/92/EC (ATEX Workplace Directive) and Directive 2014/34/EU (ATEX Equipment Directive).

- good practice for the operation, servicing, maintenance, repair and decommissioning, including tools and personal protection;
- risk mitigation methods;
- risk assessments;
- competence of personnel;
- health and safety of personnel;
- location of the equipment.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 378-1:2016+A1:2020, *Refrigerating systems and heat pumps - Safety and environmental requirements - Part 1: Basic requirements, definitions, classification and selection criteria*

EN 378-4:2016+A1:2019, *Refrigerating systems and heat pumps - Safety and environmental requirements - Part 4: Operation, maintenance, repair and recovery*

EN ISO 22712:—<sup>1</sup>, *Refrigerating systems and heat pumps - Competence of personnel (ISO/DIS 22712)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

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<sup>1</sup> Under preparation: Stage at the time of publication: prEN ISO 22712:2018.