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# Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Chlorinated poly(vinyl chloride) (PVC-C)

Part 2: Assessment of conformity

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# National foreword

This Published Document is the UK implementation of CEN/TS 1566-2:2023. It supersedes PD CEN/TS 1566-2:2012, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/88/1, Plastics piping for non-pressure applications.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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TECHNICAL SPECIFICATION

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

# CEN/TS 1566-2

October 2023

ICS 91.140.80; 23.040.20

Supersedes CEN/TS 1566-2:2012

English Version

# Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Chlorinated poly(vinyl chloride) (PVC-C) - Part 2: Assessment of conformity

Systèmes de canalisations en plastique pour l'évacuation des eaux-vannes et des eaux usées (à basse et à haute température) à l'intérieur de la structure des bâtiments - Poly(chlorure de vinyle) chloré (PVC-C) - Partie 2 : Évaluation de la conformité

Kunststoff-Rohrleitungssysteme zum Ableiten von Abwasser (niedriger und hoher Temperatur) innerhalb der Gebäudestruktur - Chloriertes Polyvinylchlorid (PVC-C) - Teil 2: Beurteilung der Konformität

This Technical Specification (CEN/TS) was approved by CEN on 4 September 2023 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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (CEN/TS 1566-2:2023) has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NEN.

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 supersedes CEN/TS 1566-2:2012.

The main changes compared to the previous edition CEN/TS 1566-2:2012 are:

— alignment with the revised template for the assessment of conformity documents;

— update of terms and definitions.

EN 1566 consists of the following parts, under the general title "*Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Chlorinated poly(vinyl chloride) (PVC-C)*":

— *Part 1: Specifications for pipes, fittings and the system;*

— Part 2: Assessment of conformity (this document).

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN/CENELEC Internal Regulations, the national standards organisations 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, Türkiye and the United Kingdom.



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# Introduction

This document is based on the template prepared in CEN/TC 155/WG 21, Edition 6 (see document CEN/TC 155/WG 21 N1112).

This document details the applicable characteristics to be assessed for type testing (TT), batch release test (BRT), process verification test (PVT), and audit test (AT), as well as the frequency and sampling for testing.

The concept of testing and organization of those tests used for the AoC is shown, without or with certification, in Figures 1 and 2.

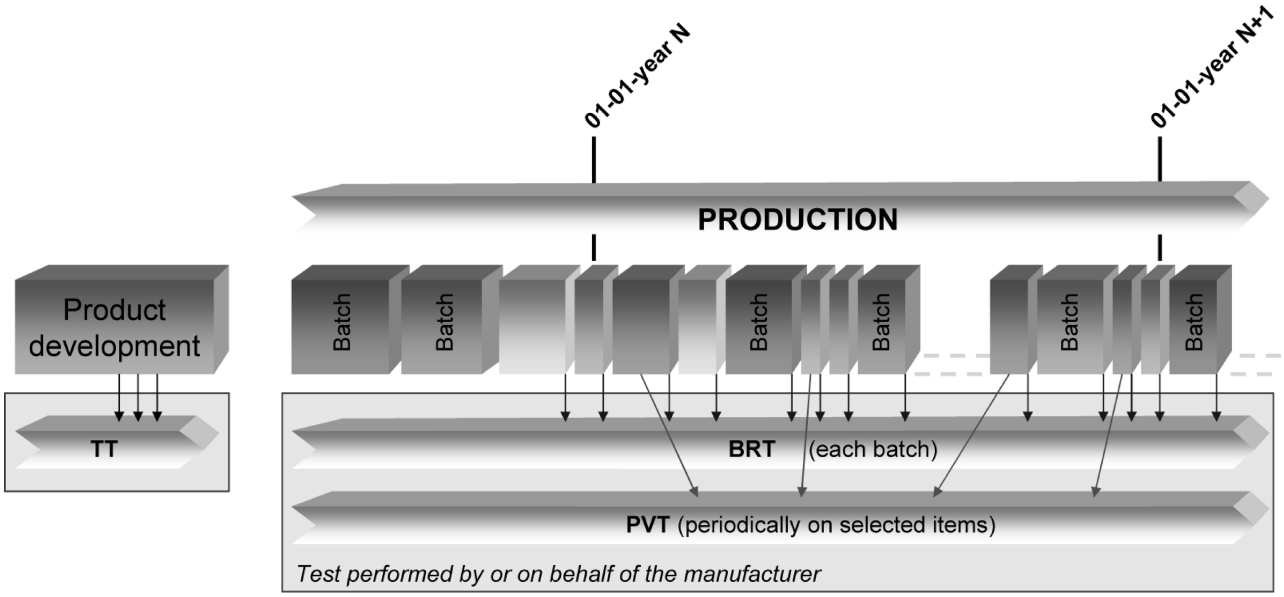


**Figure 1 —Typical scheme for the AoC by a manufacturer, without certification**



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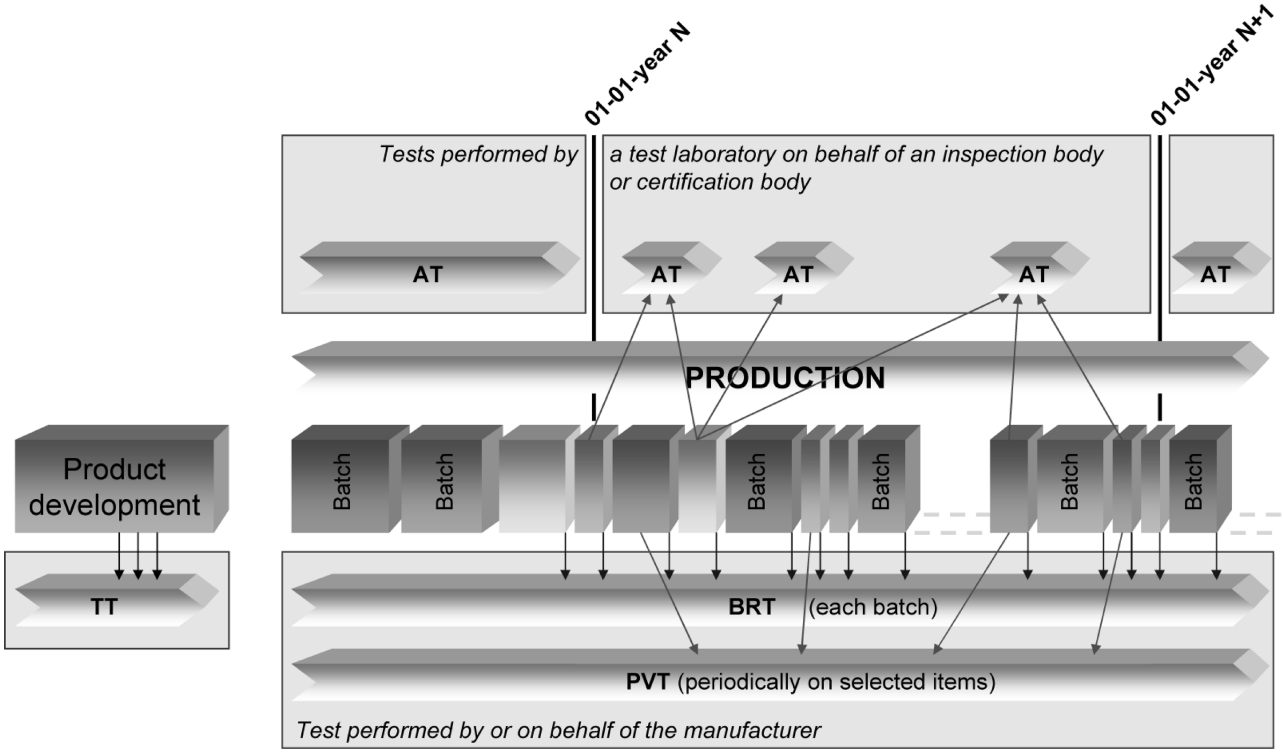


**Figure 2 — Typical scheme for the AoC by a manufacturer, including certification**



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# 1 Scope

This document gives guidance for specifying requirements for the AoC of compounds/formulations, products, joints and assemblies in accordance with the applicable part of EN 1566 intended to be included in the manufacturer's quality plan as part of the quality management system and for the establishment of certification procedures.

NOTE A basic test matrix provides an overview of the testing scheme in Annex A, Table A.1.

In conjunction with EN 1566-1, this document is applicable to solid-wall piping systems made of chlorinated poly(vinyl chloride) (PVC-C) intended to be used for or soil and waste discharge systems (low and high temperature):

— inside buildings (application area code "B");

— for both inside buildings and buried in ground within the building structure (application area code "BD").

# 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 1566-1:2022, *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Chlorinated poly(vinyl chloride) (PVC-C) — Part 1: Specifications for pipes, fittings and the system*

# 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp/

— IEC Electropedia: available at https://www.electropedia.org/

**3.1**
**certification body**
impartial body, governmental or non-governmental, possessing the necessary competence to carry out certification of conformity according to given rules of procedure and management

Note 1 to entry: In this document, certification is understood as third party certification.

Note 2 to entry: For assessment purposes, the certification body can delegate tasks to an inspection body or a testing laboratory.

Note 3 to entry: The certification body preferably operates in accordance with EN ISO/IEC 17065 [2].

**3.2**
**inspection body**
body that performs examination of a product, process, service, or installation or their design and determination of its conformity with specific requirements or, on the basis of professional judgment, with general requirements



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[SOURCE: EN ISO/IEC 17020:2012 [3], definition 3.5 combined with definition 3.1 modified – Notes to entry 1, 2, 3 and 4 are not included]

Note 1 to entry: An inspection body is, either an organization or a part of an organization, mandated by the certification body.

Note 2 to entry: An inspection body preferably operates in accordance with EN ISO/IEC 17020 [3].

**3.3**
**testing laboratory**
laboratory which measures, tests, calibrates or otherwise verifies the performance of the characteristics of materials and products

Note 1 to entry: In the context of this document, the materials and products can be subjected to type testing, batch release testing, process verification testing and audit testing, as applicable.

Note 2 to entry: A testing laboratory preferably operates in accordance with EN ISO/IEC 17025 [4].

**3.4**
**quality management system**
part of a management system with regard to quality

[SOURCE: EN ISO 9000:2015 [5], definition 3.5.4]

Note 1 to entry: Requirements for quality management systems are given in EN ISO 9001 [1].

**3.5**
**quality plan**
document setting out the specific quality practices, responsibilities, resources and sequence of activities relevant to a particular product or range of products

**3.6**
**type test**
**TT**
test performed to prove that the material, product, joint or assembly is capable of conforming to the requirement(s) given in the relevant standard

**3.7**
**batch release test**
**BRT**
test performed on a batch of material, products, joints or assemblies which has to be satisfactorily completed before the batch can be released

Note 1 to entry: A batch release test can be performed by the manufacturer or outsourced on behalf of the manufacturer.

**3.8**
**process verification test**
**PVT**
test performed on material, product, joint or assembly at specific intervals to confirm that the process continues to be capable of producing products which conform to the requirements given in the relevant standard

Note 1 to entry: Process verification tests can be performed by the manufacturer or outsourced on behalf of the manufacturer.



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