



BSI Standards Publication

# Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure — Unplasticized poly(vinyl chloride) (PVC-U)

Part 7: Guidance for the assessment of  
conformity

**National foreword**

This Published Document is the UK implementation of CEN/TS 1452-7:2014. It supersedes DD ENV 1452-7:2001 and DD CEN/TS 1456-2:2003 which are withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/88/2, Plastics piping for pressure applications.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Plastics piping systems for water supply and for buried and  
 above-ground drainage and sewerage under pressure -  
 Unplasticized poly(vinyl chloride) (PVC-U) - Part 7: Guidance for  
 the assessment of conformity

Systèmes de canalisations en plastique pour l'alimentation  
 en eau, pour branchements et collecteurs d'assainissement  
 enterrés et aériens avec pression - Poly(chlorure de vinyle)  
 non plastifié (PVC-U) - Partie 7: Guide pour l'évaluation de  
 la conformité

Kunststoff-Rohrleitungssysteme für die Wasserversorgung  
 und für erdverlegte und nicht erdverlegte Entwässerungs-  
 und Abwasserdruckleitungen - Weichmacherfreies  
 Polyvinylchlorid (PVC-U) - Teil 7: Empfehlungen für die  
 Beurteilung der Konformität

This Technical Specification (CEN/TS) was approved by CEN on 9 December 2013 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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## Foreword

This document (CEN/TS 1452-7:2014) 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 [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes ENV 1452-7:2000, CEN/TS 1456-2:2003, which have been technically revised.

EN ISO 1452, *Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure — Unplasticized poly(vinyl chloride) (PVC-U)*, consists of the following parts:

- *Part 1: General*
- *Part 2: Pipes*
- *Part 3: Fittings*
- *Part 4: Valves*
- *Part 5: Fitness for purpose of the system*

This part of EN ISO 1452 gives guidance for the assessment of conformity of compounds/formulations, products, joints and assemblies in accordance with the applicable parts of EN ISO 1452 intended to be included in the manufacturer’s quality plan as part of the quality management system and for the establishment of certification procedures:

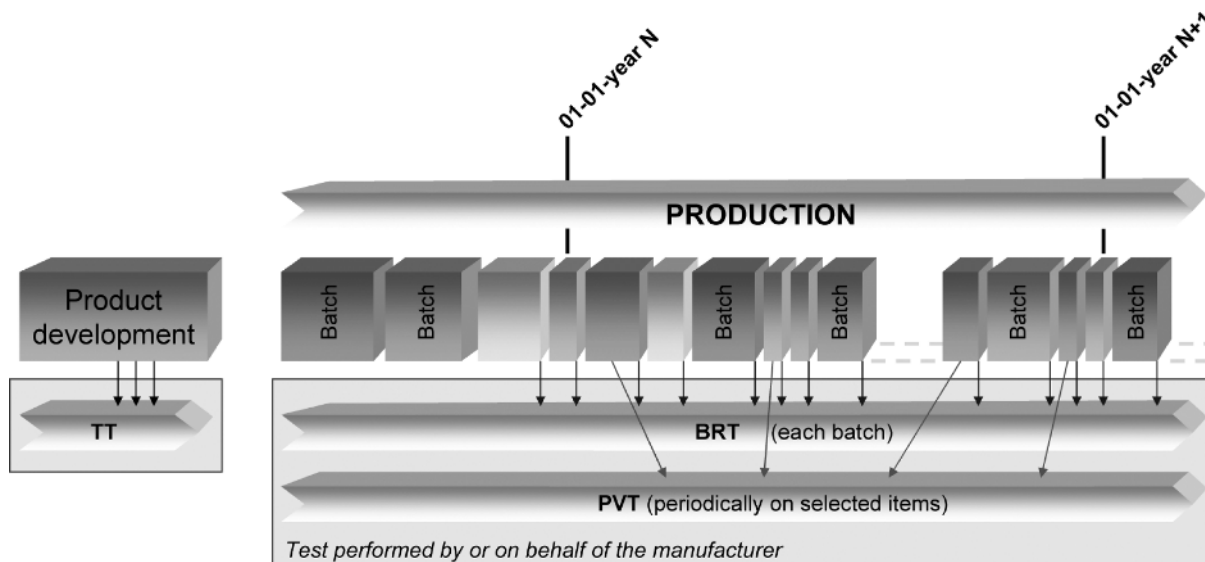
*Part 7: Guidance for the assessment of conformity.*

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## Introduction

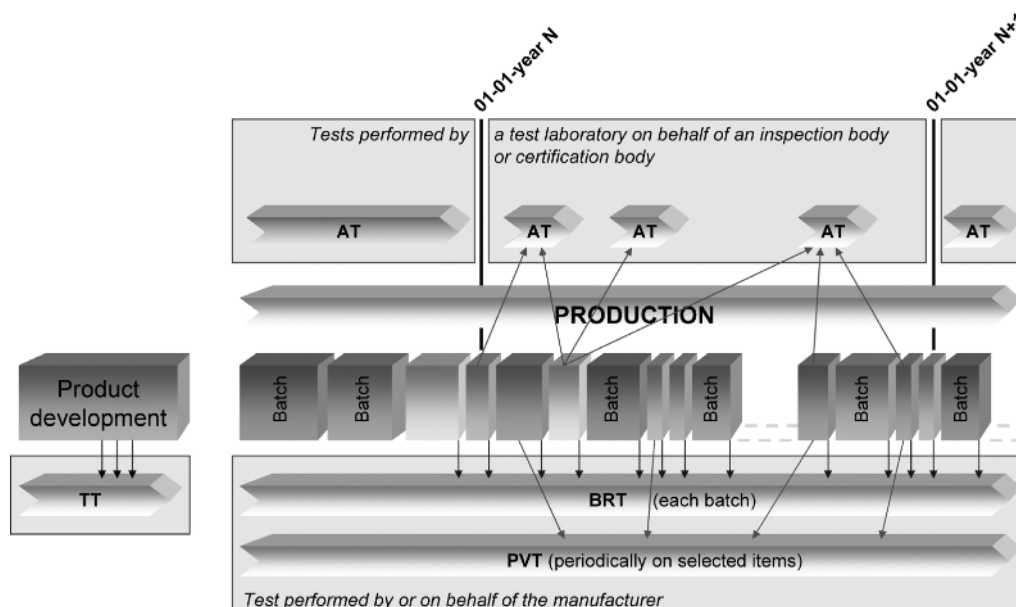
Figures 1 and 2 are intended to provide general information on the concept of testing and organization of those tests used for the purpose of the assessment of conformity. For each type of tests (i.e. type testing (TT), batch release test (BRT), process verification test (PVT) and audit test (AT), this part of EN ISO 1452 details the applicable characteristics to be assessed as well as the frequency and sampling of testing.

A typical scheme for the assessment of conformity of compounds/formulations, pipes, fittings, valves, joints or assemblies by manufacturers is given in Figure 1.



**Figure 1 — Typical scheme for the assessment of conformity by a manufacturer**

A typical scheme for the assessment of conformity of compounds/formulations, pipes, fittings, valves, joints or assemblies by manufacturers, including a certification, is given in Figure 2.



**Figure 2 — Typical scheme for the assessment of conformity by a manufacturer, including a certification**

## 1 Scope

This part of EN ISO 1452 gives guidance for the assessment of conformity of compounds/formulations, products, joints and assemblies in accordance with the applicable parts of EN ISO 1452 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 1 It is recommended that the quality management system conforms to or is no less stringent than the relevant requirements to EN ISO 9001 [1].

NOTE 2 If certification is involved, the certification body and inspection body is preferably compliant with EN ISO/IEC 17065 [5] or EN ISO/IEC 17021 [3], as applicable.

In conjunction with Parts 1 to 5 of EN ISO 1452 (see Foreword) this document is applicable to unplasticized poly(vinyl chloride) (PVC-U) plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN ISO 1452-1:2009, *Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: General (ISO 1452-1:2009)*

EN ISO 1452-2:2009, *Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Pipes (ISO 1452-2:2009)*

EN ISO 1452-3:2010, *Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 3: Fittings (ISO 1452-3:2009, corrected version 2010-03-01)*

EN ISO 1452-4:2009, *Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 4: Valves (ISO 1452-4:2009)*

EN ISO 1452-5:2010, *Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 5: Fitness for purpose of the system (ISO 1452-5:2009, corrected version 2010-03-01)*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions given in EN ISO 1452-1:2009, EN ISO 1452-2:2009, EN ISO 1452-3:2010, EN ISO 1452-4:2009 and the following apply.

### 3.1

#### **certification body**

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

Note 1 to entry: A certification body is preferably compliant with EN ISO/IEC 17065 [5].

### 3.2

#### **inspection body**

body that performs inspection

Note 1 to entry: A body can be an organization or part of an organization.