

English Version

Plastics piping systems for soil and waste discharge (low
and high temperature) within the building structure -
Acrylonitrile-butadiene-styrene (ABS) - 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 - Acrylonitrile-butadiène-
styrène (ABS) - Partie 2 : Évaluation de la conformité

Kunststoff-Rohrleitungssysteme zum Ableiten von
Abwasser (niedriger und hoher Temperatur) innerhalb
der Gebäudestruktur - Acrylnitril-Butadien-Styrol
(ABS) - 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.

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

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Contents	Page
European foreword	3
Introduction	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Abbreviated terms	9
5 General	10
6 Testing	10
6.1 Group	10
6.2 Type testing	10
6.3 Batch release testing	14
6.4 Process verification testing	16
6.5 Audit testing	18
6.6 Test records	21
Annex A (informative) Basic test matrix	22
Bibliography	24

European foreword

This document (CEN/TS 1455-2:2023) 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 1455-2:2012.

The main changes compared to the previous edition CEN/TS 1455-2:2012 are:

- alignment with the revised template for the assessment of conformity documents;
- update of terms and definitions.

EN 1455 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 — Acrylonitrile-butadiene-styrene (ABS)*”:

- *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.

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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.

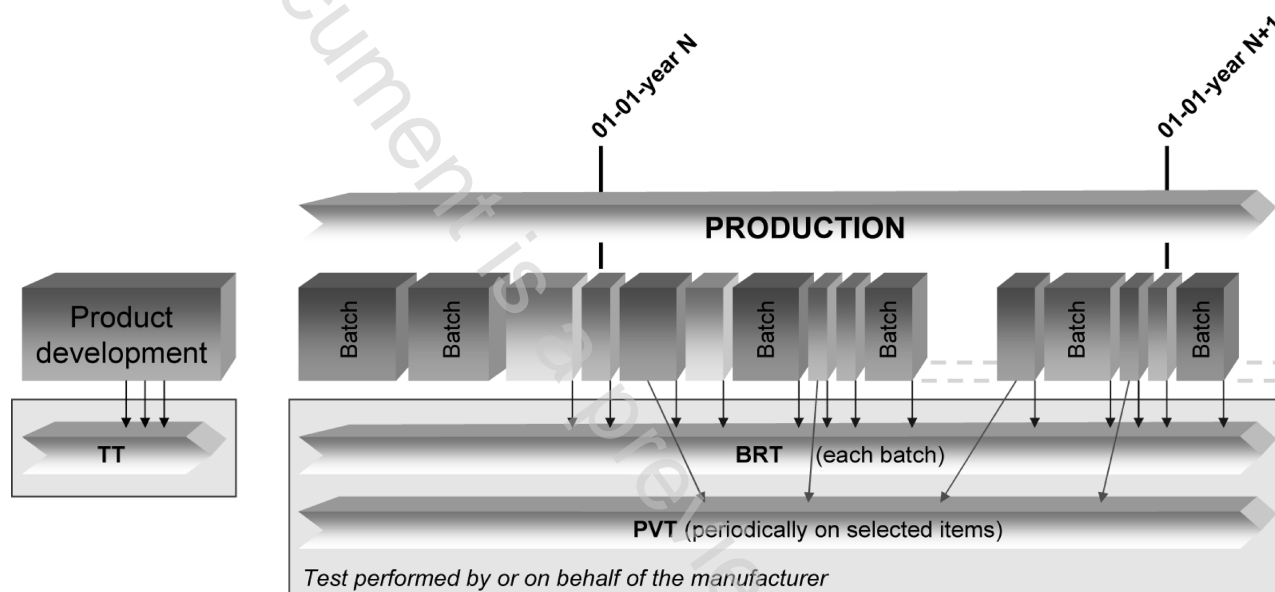


Figure 1 —Typical scheme for the AoC by a manufacturer, without certification

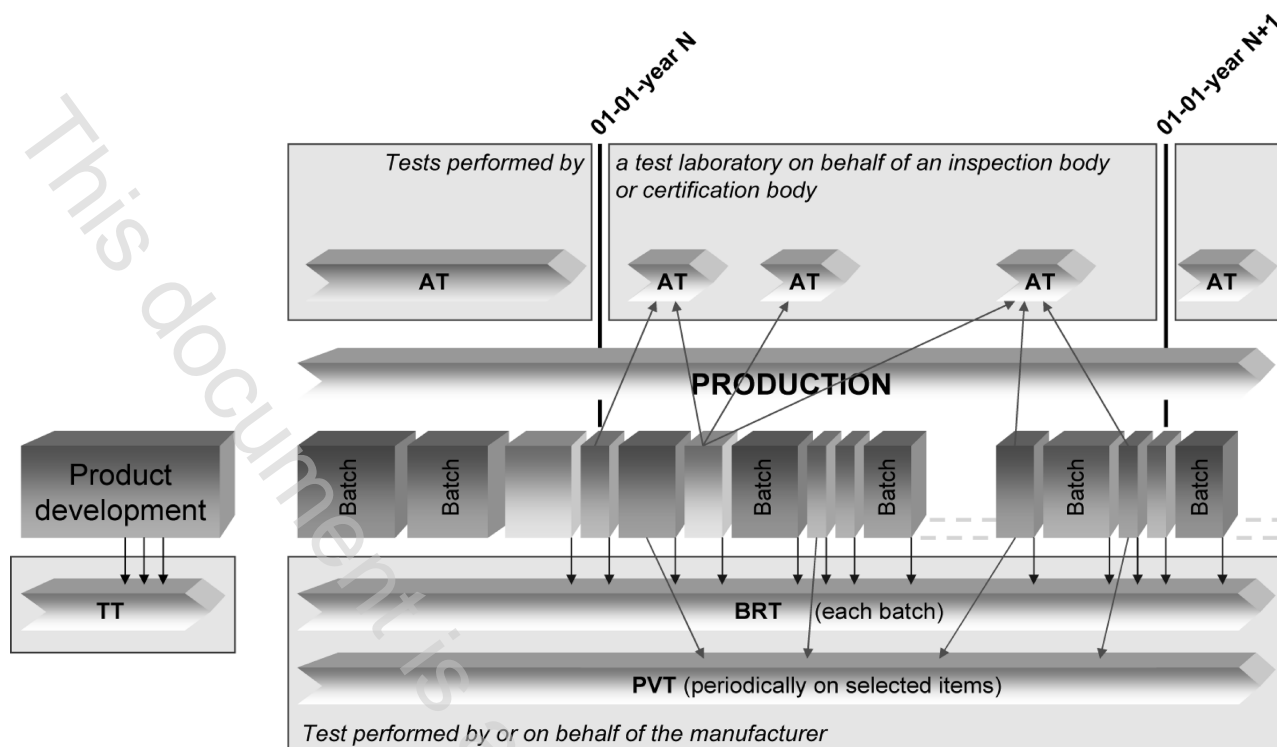


Figure 2 — Typical scheme for the AoC by a manufacturer, including certification

1 Scope

This document gives guidance for specifying requirements for the AoC of compounds/formulation, products, joints and assemblies in accordance with the applicable part of EN 1455 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 1455-1 (see European foreword), this document is applicable to solid wall piping systems made of acrylonitrile-butadiene-styrene (ABS) intended to be used for soil and waste discharge (low and high temperature):

- inside buildings (application area code "B");
- 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 1455-1:2022, *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Acrylonitrile-butadiene-styrene (ABS) — Part 1: Requirements 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