DIN EN 45553:2020-11 (E)

General method for the assessment of the ability to remanufacture energy-related products

Contents

Page

European foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms, definitions and abbreviations 5
3.1 Definitions 5
3.2 Abbreviations 6

4 How to use this document 6

5 General method to assess the ability of an energy-related product to be remanufactured 6
5.1 Remanufacturing process steps and product attributes 6
5.2 Criteria for assessing the product attributes 7
5.2.1 Evaluation of the product attribute "Ability to be identified" 7
5.2.2 Evaluation of the product attribute "Ability to locate access points and fasteners" 8
5.2.3 Evaluation of the product attribute "Accessibility of parts" 8
5.2.4 Evaluation of the product attribute "Ability to be disassembled/assembled" 9
5.2.5 Evaluation of the product attribute "Wear and damage resistance during the remanufacturing process steps" 9
5.3 Establishing a method to assess the ability of an energy-related product to be remanufactured 10

6 Documenting the ability of an energy-related product to be remanufactured 10
6.1 General 10
6.2 Elements of the assessment 10

Annex A (Informative) Examples of quantitative methods to assess different product attributes 12

A.1 Example of a quantitative assessment of the ability to be accessible 12
A.2 Example of a quantitative assessment of the disassembly sequence and disassembly depth 12

Bibliography 14