DIN EN 16602-60-14:2020-11 (E)

Space product assurance - Relifing procedure - EEE components; English version EN 16602-60-14:2020

Table of contents

European Foreword 4

1 Scope 5

2 Normative references 6

3 Terms, definitions and abbreviated terms 7

3.1 Terms from other standards 7

3.2 Terms specific to the present standard 7

3.3 Abbreviated terms 10

3.4 Symbols 11

3.5 Nomenclature 11

4 Environmental parameters for handling and storage for Class 1 to Class 3 programmes 13

4.1 General rules and requirements 13

4.1.1 <<deleted>> 13

4.1.2 Procedures 13

4.1.3 Storage area and storage zone 13

4.1.4 Cleanliness 13

4.1.5 ESD protection 14

4.1.6 Packing – Packaging – Handling 14

4.1.7 Quality assurance requirements for storage areas 14

4.2 Storage conditions 14

4.2.1 Air 14

4.2.2 Temperature 14

4.2.3 Relative humidity (RH) 14

4.2.4 Container 15

5 Timing parameters for Class 1 to Class 3 programmes 16

6 Control parameters for Class 1 and Class 2 programmes 18

6.1 Test requirements 18

6.1.1 Requirements per EEE parts family: 18

6.1.2 <<deleted>> 22

6.1.3 Electrical testing 22
6.1.4 External visual inspection 23
6.1.5 Seal test 23
6.2 Nonconformance 23
6.3 Relifing datecode 23
6.4 Relifing report 24
6.5 Certificate of Conformity 24

7 Control parameters for Class 3 programmes 25
7.1 Test requirements 25
7.1.1 Requirements per EEE parts family 25
7.1.2 Electrical testing 27
7.1.3 External visual inspection 27
7.2 Nonconformance 27
7.3 Relifing datecode 27
7.4 Relifing report 28
7.5 Certificate of Conformity 28

Annex A (normative) <<deleted and recreated as informative Annex C>> 29

Annex B (informative) <<deleted> 30

Annex C (informative) Guidelines for a Relifing report 31

Bibliography 33

Figures

Figure C-1 : Example of a relifing traveller sheet 32

Tables

Table 5-1: Timing parameters 17
Table 6-1: Control parameters and detailed application of categories for Class 1 and Class 2 programmes 20
Table 7-1: Control parameters and detailed application of categories for Class 3 programmes 26