

INTERNATIONAL ELECTROTECHNICAL COMMISSION  
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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**IEC 62561-2**  
Edition 2.0 2018-01

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Édition 2.0 2018-01

**LIGHTNING PROTECTION SYSTEM  
COMPONENTS (LPSC) –**

**COMPOSANTS DES SYSTÈMES DE PROTECTION  
CONTRE LA FOUDRE (CSPF) –**

**Part 2: Requirements for conductors and earth  
electrodes**

**Partie 2: Exigences pour les conducteurs et les  
électrodes de terre**

## CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

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### 4 Requirements

#### 4.1 General

*In the third paragraph, replace "A summary" with "Summaries".*

#### 4.4.4 Earth conductors and earth plates

*In the second paragraph, replace "and 5.2.4." with ", 5.2.4, 5.2.5 and 5.2.6."*

### 5.2 Conductors, air-termination rods, earth lead-in rods and earth electrodes (except earth rods)

*Replace the title of 5.2 with the following new title:*

### 5.2 Air termination conductors, air-termination rods, earth lead-in rods, earth conductors and earth plates

#### 5.2.1 General

*In the first paragraph, replace "electrodes" with "conductors and earth plates".*

*After the first paragraph, add the following new paragraph:*

Earth electrodes shall be subjected to the tests according to Annex D.

*In the last paragraph, replace "Conductors" with "Air-termination conductors" and replace "and earth electrodes (except earth rods)" with ", earth conductors and earth plates".*

## 5.2.2 Test for thickness of coating

### 5.2.2.1 General conditions for tests

*In the second and third paragraphs, replace "conductor" with "specimen".*

### 5.2.2.2 Acceptance criteria

*At the end of the first sentence, add the following new text: "and Table 3 for earth conductors and earth plates."*

### 5.2.4.1 General conditions for tests

*In the last paragraph, replace "Clause A.1" with "Clause A.2" and replace "Clause A.2" with "Clause A.3".*

### 5.2.5.1 General conditions for tests

*In the first sentence of the first paragraph and in the second paragraph, delete "of conductor".*

*In the last paragraph, replace "The dimensions of the conductor" with "The dimensions of the sample".*

### 5.2.6.1 General conditions for tests

*In the second sentence, replace "For the testing of air-termination rods and earth lead-in rods" with "For the testing of air-termination conductors, air-termination rods, earth lead-in rods, down conductors, earth-conductors and earth plates".*

### 5.2.6.2 Acceptance criteria

*Delete ", for the earth conductors".*

### 5.3.5.1 General conditions for tests

*Replace "Clause A.1" with "Clause A.2" and replace "Clause A.2" with "Clause A.3".*

### 5.3.7.1 General conditions for tests

*Delete the second sentence beginning with "For the testing".*

## Annex C

*Replace the existing title of Annex C with the following new title:*

### Requirements and tests for conductors

#### Table C.1

*In the last column, add a reference to Table 2 and 5.5, as follows:*

**Table C.1 – Summary of requirements for various elements tested according to Table 1 and Table 2**

Material	Configuration	Cross-sectional area, mechanical and electrical characteristics, tests to be applied
Copper Tin plated copper	Solid tape Solid round Stranded	Table 1 / Table 2 Tests: Footnotes of Table 1, 5.2.5 / 5.2.6 / 5.5
Aluminium	Solid tape Solid round Stranded	Table 1 / Table 2 Tests: Footnotes of Table 1, 5.2.5 / 5.2.6 / 5.5
Copper coated aluminium alloy	Solid round	Table 1 / Table 2 Tests: Footnotes of Table 1 and Table 2, 5.2.2 / 5.2.3 / 5.2.4 / 5.2.5 / 5.2.6 / 5.5
Aluminium alloy	Solid tape Solid round Stranded	Table 1 / Table 2 Tests: Footnotes of Table 1, 5.2.5 / 5.2.6 / 5.5
Hot dipped galvanized steel	Solid tape Solid round Stranded	Table 1 / Table 2 Tests: Footnotes of Table 1, 5.2.2 / 5.2.3 / 5.2.4 / 5.2.5 / 5.2.6 / 5.5
Copper coated steel	Solid round Solid tape	Table 1 / Table 2 Tests: Footnotes of Table 1 and Table 2, 5.2.2 / 5.2.3 / 5.2.4 / 5.2.5 / 5.2.6 / 5.5
Stainless steel	Solid tape Solid round Stranded	Table 1 / Table 2 Tests: Footnotes of Table 1, 5.2.5 / 5.2.6 / 5.5

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<https://standards.itec.ai/catalog/standards/iec/fe772c1d-39b7-4bc3-bae8-922fbc7f3ed9/iec-62561-2-2018-cor1-2019>

## Annex D

Replace the existing title of Annex D with the following new title:

### Requirements and tests for earth electrodes

#### Table D.1

In the last column, modify the references and replace the date of IEC 62561-1 with 2017, as follows:

**Table D.1 – Summary of requirements for various elements tested according to Table 2 and Table 3**

Material	Configuration	Application	Dimensions, mechanical electrical characteristics, tests to be applied
Copper	Solid round Solid round Solid tape Pipe Solid plate Lattice plate Stranded	Earth conductor Earth rod Earth conductor Earth rod Earth plate Earth plate Earth conductor	Table 2 / Table 3 Tests: Footnotes of Table 3, 5.2.5 / 5.2.6 / 5.3.6 / 5.3.7 / 5.5

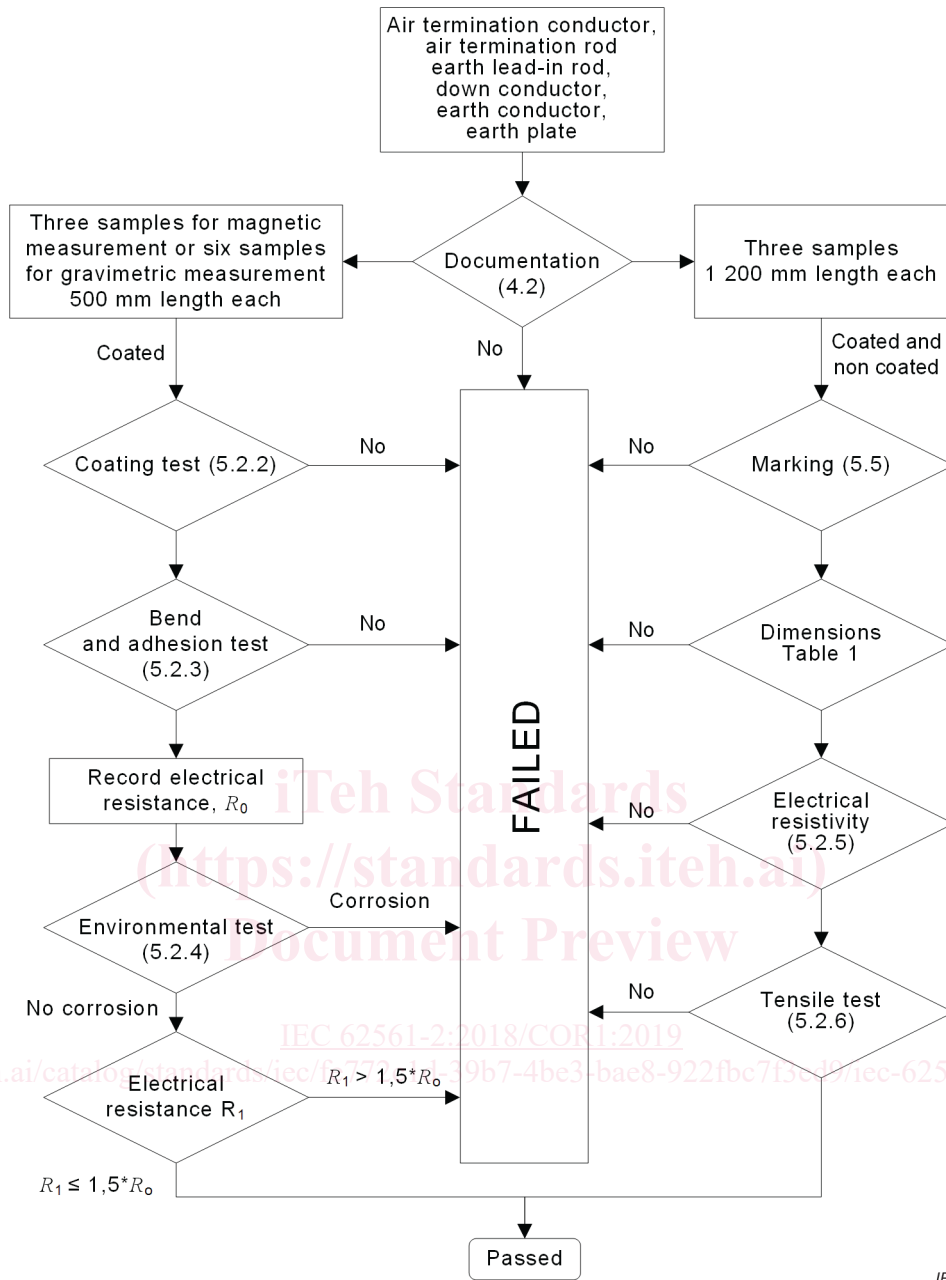
Galvanized steel	Solid round Solid tape Solid plate Lattice plate Stranded	Earth conductor Earth conductor Earth plate Earth plate Earth conductor	Table 2 / Table 3 Tests: Footnotes of Table 3, 5.2.2 / 5.2.3 / 5.2.4 / 5.2.5 / 5.2.6 / 5.5
Galvanized steel	Solid round Pipe Profile	Earth rod Earth rod Earth rod	Table 2 / Table 3 Tests: Footnotes of Table 3, 5.3.2 / 5.3.5 / 5.3.6 / 5.3.7 / 5.5
Bare steel	Solid round Solid tape	Earth conductor Earth conductor	Table 2 / Table 3 Tests: Footnotes of Table 3, 5.2.5 / 5.2.6 / 5.5
Copper coated steel	Solid round	Earth rod	Table 2 / Table 3 Tests: Footnotes of Table 2 and Table 3, 5.3.2 / 5.3.3 / 5.3.4 / 5.3.5 / 5.3.6 / 5.3.7 / 5.3.8 / 5.5
Copper coated steel	Solid round Solid tape	Earth conductor Earth conductor	Table 2 / Table 3 Tests: Footnotes of Table 2 and Table 3, 5.2.2 / 5.2.3 / 5.2.4 / 5.2.5 / 5.2.6 / 5.5
Stainless steel	Solid round Solid round Solid tape	Earth conductor Earth rod Earth conductor	Table 2 / Table 3 Tests: Footnotes of Table 3, 5.2.5 / 5.2.6 / 5.3.6 / 5.3.7 / 5.5
Couplers for earth rods	_____	_____	Tests: Footnotes of Table 3, 5.4.2 / 5.4.3 / 5.4.4 / 5.4.5 / 5.5 In addition tests according to IEC 62561-1:2017, 6.3

**Annex E**

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<https://standards.iteh.ai/> Replace Figure E.1 with the following new Figure E.1: 3-bae8-922fbc7f3ed9/iec-62561-2-2018-cor1-2019

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**Figure E.1 – Flow chart of tests for air-termination conductors, air-termination rods, earth lead-in rods, down-conductors, earth conductors and earth plates**

## Annex F

Replace Figure F.1 with the following new Figure F.1:

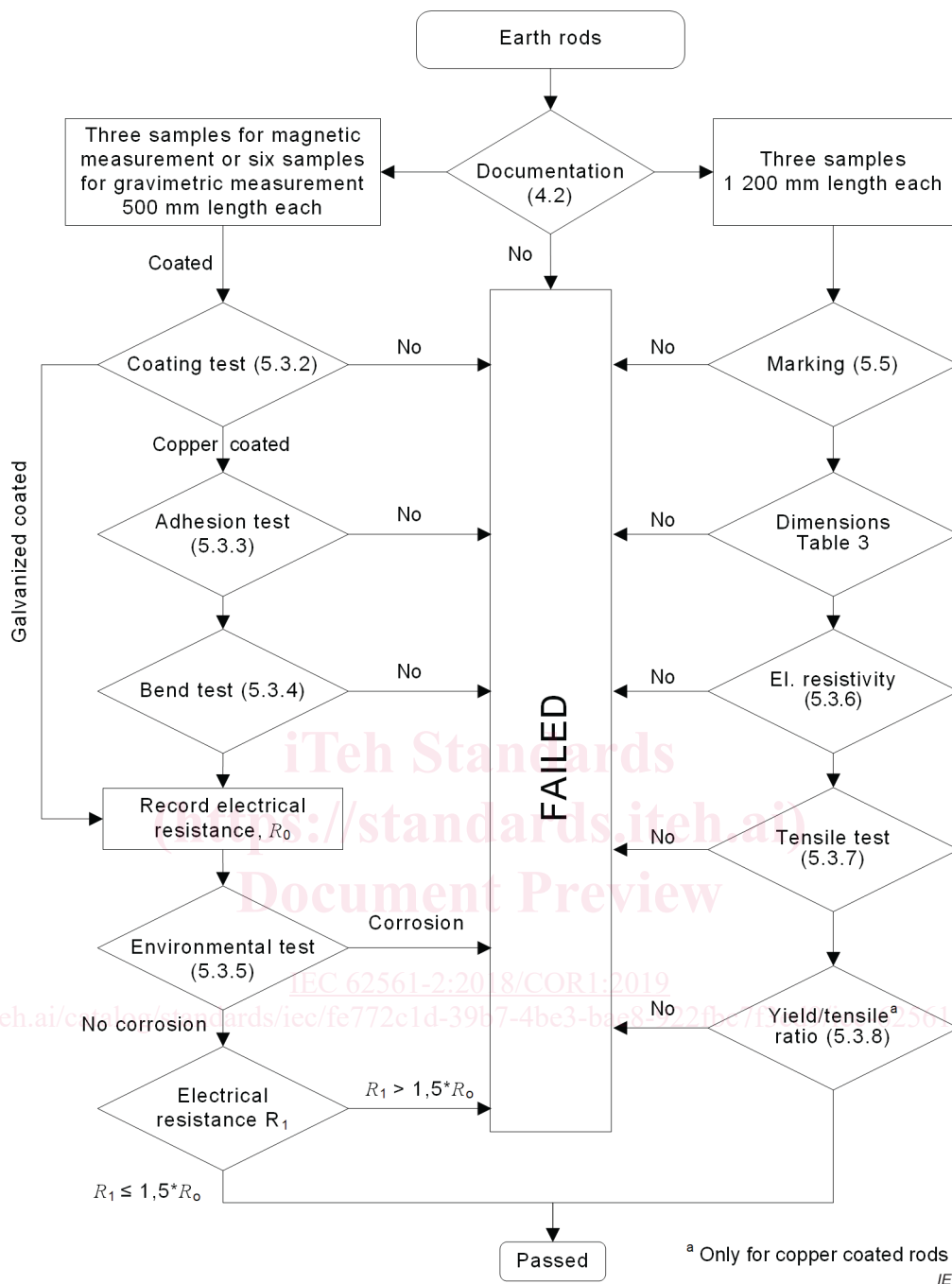


Figure F.1 – Flow chart of tests for earth rods