

**DRAFT AMENDMENT
FOR PUBLIC COMMENT**

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Draft Amendment No. 1 to

Singapore Standard SS 555 : Part 3 : 2018 Protection against lightning – Part 3 : Physical damage to structures and life hazard

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Protection against lightning

– Part 3 : Physical damage to structures and life hazard

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Month/Year

1. Page 22, 5.2.2

Replace the 1st paragraph with:

Air-termination components installed on a structure shall be located not more than 100mm from the corners, exposed points and edges (especially on the upper level of any facades and parapet wall) in accordance with one or more of the following methods.

2. Page 24, 5.2.5

Replace NOTE 2 with:

NOTE 2 A 1 mm coating of protective paint or 1 mm asphalt or 0.5 mm PVC is not regarded as an insulator. Detailed information is given in E.5.3.4.1 and E.5.3.4.2.

3. Page 40, 8.1

Add a new bullet after item 2 for c) with:

- for small structures such as trellis, gazebo, pergola, bus stop, training shade and the likes at ground level shall be adopted in accordance to Annex ZB Clause 9.1.

4. Page 40, 8.2

Add a new NOTE after bullet 2 of c) with:

NOTE Bonding by lashing for mesh earth-termination system and structural floor slabs are acceptable means of equipotentialization to reduce step voltage to a tolerable level.

5. Page 132, E.5.4.3.6

Replace text of paragraph 6 with:

The lower part of an exposed down-conductor should be insulated with tubing giving a 100 kV, 1,2/50 μ s impulse withstand voltage.