


Draft Amendment AMD2 to BS EN 62115

BS EN 62115:2005, the British Standard for **Safety of Electric Toys**, was subject to revision by the Technical Committee CPL/61/21 Toys. A **draft amendment [BS EN 62115 AMD2 \(DPC: 09/30211098 DC\)](#)**, which was identical to the **[draft IEC 62115-A2 \(61/3922/CDV\)](#)**, was proposed and published on 15 October, 2009 for public comment until 31 January, 2010.



Changes proposed in the draft amendment **BS EN 62115 AMD2** are summarized in the following table.

Clause	Proposed Changes in the Draft Amendment BS EN 62115 AMD2
1 (Scope)	<ul style="list-style-type: none"> ▪ Replace “Video toys” by “Computer toys” and “Toy computers” in the scope of this standard. ▪ Quote the IEC references for “Transformers for toys” and “Battery chargers” in NOTE 3. ▪ Replace “Portable child-appealing luminaries (IEC 60598-2-10)” by “Portable luminaries for children (IEC 60598-2-10)”; and add additional items of “Video and computer games” and “Blowers for inflatable activity toys (e.g., bouncy castles)” in the list of exemption items under NOTE 5.
2 (Normative References)	Update the IEC references to the latest editions.
3 (Definitions)	<ul style="list-style-type: none"> ▪ Specify in 3.2.5 (Normal Operation) that “charging” and “overcharging” are both included as normal operation for all rechargeable battery toys. ▪ Add new definitions for toy computer (3.1.11), computer toy (3.1.12), battery charger (3.1.13), rechargeable battery toy (3.1.14), and functional insulation (3.3.3).
5 (General Conditions for Tests)	<ul style="list-style-type: none"> ▪ Add a new paragraph under 5.8 for the test handling of Rechargeable battery toys. ▪ Replace “nickel cadmium battery” by “rechargeable battery” in the Note 1 of 5.9 and clarify in the same NOTE for the meaning of “most unfavourable battery”.
6.2 (Criteria for Reduced Testing for Battery Toys)	<ul style="list-style-type: none"> ▪ Add the exclusion (except 17.1 for battery compartments intended to contain button cell batteries) for compliance status of battery toys to clause 17. ▪ Specify that for the short-circuit test of accessible insulation between part of different polarity using specified straight steel pin, those in battery compartments are excluded.
7 (Marking and Instructions)	<ul style="list-style-type: none"> ▪ Add the following new symbol in 7.3 <div style="text-align: center; margin: 10px 0;"> 8+  </div> <p style="text-align: center;">Suitable for use by children at least 8 years old.</p> ▪ Add a new paragraph in 7.4 to specify the requirement for the instructions for dual supply toys. Under the instruction requirements for battery toys with rechargeable batteries, an additional requirement for toys supplied with a battery charger was added.
8 (Power Input)	Add the power input requirement for dual supply toys .

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Clause (cont'd)	Proposed Changes in the Draft Amendment A2 to BS EN 62115: 2005 (cont'd)
9 (Heating and Abnormal Operation)	<ul style="list-style-type: none"> ▪ Replace "Transformer toys" by "Transformer toys, dual supply toys" in 9.1, 9.2 and 9.7. ▪ Change the power input requirement (from the rated wattage not exceeding "1W" to "2.5W") for toys that only incorporate incandescent lamps that can be exempted from the heating and abnormal operation test. ▪ Add a new sentence for condition to allow thermal cut outs during the temperature rise tests of 9.3 and 9.4. ▪ Allow other means of temperature rise measurement if thermocouples cannot successfully measure the maximum temperature during test, and add a new paragraph to describe the temperature rise measurement for mobile toys in 9.2. ▪ Specify in 9.3 for the operating condition for Rechargeable battery toys when doing the temperature rise measurement. ▪ Add the procedure of short-circuit test for products which have to be kept switched on by hand or foot in 9.4, 9.5 and 9.8.2. ▪ Add a new paragraph in 9.5 for control (that limits the temperature rise) which consists of PTCs, NTCs or VDRs, they are not short-circuited if used within the manufacturer's declared specification. ▪ Revise the fault condition in 9.8.2 c) for short circuit of capacitors.
14 (Construction)	<ul style="list-style-type: none"> ▪ Clarify in 14.1 that "the working voltage between any two parts of the toys shall not exceed 24V when the toy is supplied at rated voltage" refers to "any two accessible parts of the toy". ▪ Specify in 14.2 that battery charger shall not be an integral part of the toy. ▪ Replace "Transformer toys" by "Transformer toys and dual supply toys" in 14.3 and 14.4. ▪ Add the exclusion conditions for plugs of toys in the 1st paragraph of 14.10. ▪ Revise and append additional conditions in 14.12 that are possible to charge rechargeable batteries when they are in the toy. ▪ Add new subsections of 14.15 (Evaluation for harmful electric shock), 14.16 (Evaluation of battery compartment to prevent battery electrolyte leakage from battery toys for children under 3 years old), and 14.17 (Safety requirements for earth connections from different parts and the insulation between such parts to a computer toys).
16 (Components)	Add a new requirement 16.4 for Battery chargers to be complied with Annex AA of IEC60335-2-29.
18 (Clearances and Creepage Distances)	Revise the section to distinguish the different clearance and creepage distance requirements of functional insulation in general condition and in the microenvironment at pollution degree 2.
Annex B (Needle-flame Test)	Replace "IEC 60695-2-2" by " IEC 60695-11-5 " and update the section numbers accordingly.

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