

Proposed Updates to Safety Standards for Toys and Children's Products

The Government proposes adopting up-to-date safety standards promulgated by the relevant standards institutions for toys and some children's products listed in Schedule 2 ("Schedule 2 products") under the Toys and Children's Products Safety Ordinance (Cap. 424) ("the Ordinance"). We are seeking comments on the proposal.

2. The Ordinance stipulates that a person must not manufacture, import or supply a toy or Schedule 2 product unless it complies with all the applicable requirements contained in any one of the safety standards (international standards or standards adopted by major economies) specified in Schedules 1 and 2 respectively to the Ordinance. We keep in view updates to the standards so as to apply up-to-date, operative versions to products supplied in Hong Kong.

3. It has come to our attention that the specified standards for toys and for three classes of Schedule 2 products have been updated/amended to new versions as follows -

Toy Standards –

- (a) the existing part of the International Standard, "IEC 62115 Edition 1.2 (2011-02) [IEC 62115 Edition 1:2003 consolidated with amendment 1:2004 and amendment 2:2010]" has been updated to "IEC 62115:2017 Edition 2.0";
- (b) the existing part of the European Standard "BS EN 71-12:2013" has been updated to "BS EN 71-12:2016"; and
- (c) the existing part of the ASTM Standard "ASTM F963-11" has been updated to "ASTM F963-17".

Schedule 2 Product Standards –

- (a) the existing ASTM Standard "ASTM F963-11" for *babies' dummies* has been updated to "ASTM F963-17";
- (b) the existing ASTM Standard "ASTM F404-16a" for *children's high chairs and multi-purpose high chairs for domestic use* has been updated to "ASTM F404-17";

- (c) the existing ASTM Standard “ASTM F963-11” for *children’s paints* has been updated to “ASTM F963-17”; and
- (d) the existing Joint Australian/New Zealand Standard “AS/NZS ISO 8124.3:2012” for *children’s paints* has been updated to “AS/NZS ISO 8124.3:2012 / Amendment 1:2016”.

4. The table attached at the Annex to this document summarises the major changes introduced by the latest standards^{Note}.

5. If you have any comments on the proposal, please send them to us on or before **31 December 2017** by any of the following means:

By mail to: Special Duties Division
Commerce, Industry and Tourism Branch
Commerce and Economic Development Bureau
23th Floor, West Wing, Central Government Offices,
2 Tim Mei Avenue, Tamar, Hong Kong

By fax to: 2869 4420

By email to: tcpso_standards_updates@cedb.gov.hk

6. Any questions about this document may be addressed to Mr. S K Chui, Assistant Secretary for Commerce and Economic Development (Commerce and Industry), who can be reached at 2810 3235 (phone), 2869 4420 (fax), or sk_chui@cedb.gov.hk (email).

7. Submissions will be received on the basis that we may freely reproduce and publish them, in whole or in part, in any form and use, adapt or develop any proposal put forward without seeking permission or providing acknowledgement of the party making the proposal.

8. Please note that names of respondents, their affiliation(s) and comments may be posted on our website or referred to in other documents we publish. If you do not wish your name and/or affiliation to be disclosed, please state so when making your submission. Any personal data submitted will only be used for purposes which are directly related to consultation purposes under this consultation paper. Such data may be transferred to other Government departments/agencies for the same purposes. For access to or correction of

^{Note} The table is prepared for general information only. Interested parties should refer to the standards for the detailed requirements.

personal data contained in your submission, please contact Ms. Ada Wong, Executive Assistant, who can be reached at 3655 5954 (phone), 2869 4420 (fax), or ada_wong@cedb.gov.hk (email).

Commerce, Industry and Tourism Branch
Commerce and Economic Development Bureau
December 2017

Toys and Children's Products Safety Ordinance (Cap. 424)
Updates to Standards Specified for Toys and Schedule 2 Products

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses
Toys Standards				
<i>International Standard</i>				
(i)	IEC 62115 Edition 1.2 (2011-02) [IEC 62115 Edition 1:2003 consolidated with amendment 1:2004 and amendment 2:2010]	IEC 62115:2017 Edition 2.0 (April 2017)	<ul style="list-style-type: none"> ● To revise the scope, normative references and terms and definitions; ● To revise the general requirement; ● To revise general conditions for tests; ● To revise the criteria for reduced testing; ● To revise requirements on marking and instructions; ● To revise requirements on power input, heating and abnormal operation and electric strength; ● To revise requirements on electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid; ● To revise requirements on mechanical strength; ● To revise requirements on construction; ● To revise wordings on edges and moving parts, screws and connections and resistance to heat and fire; ● To revise requirements on components; ● To revise requirements on clearances and creepage distances; ● To revise requirements on radiation and similar hazards; 	<ul style="list-style-type: none"> ● 1, 2 and 3 ● 4 ● 5 ● 6 ● 7 ● 8, 9 and 10 ● 11 ● 12 ● 13 ● 14, 16 and 18 ● 15 ● 17 ● 19

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses
			<ul style="list-style-type: none"> ● To revise requirements on experimental sets and automatic controls and switches; ● To provide requirements on electric toys with protective electronic circuits; ● To revise requirements on safety of electric toys incorporating optical radiation sources; ● To provide measurement methods for electric toys generating electromagnetic fields; and ● To provide requirements for safety of remote controls for electric ride-on toys. 	<ul style="list-style-type: none"> ● Annex A and C ● Annex D ● Annex E ● Annex I ● Annex J

European Standard

(i)	BS EN 71-12:2013	BS EN 71-12:2016 (January 2017)	<ul style="list-style-type: none"> ● To add note with regard to the detection of N-nitrosamines and N-nitrosatable substances in elastomers of the vulcanized materials; ● To revise the terms and definitions of finger paint and elastomer; ● To revise the requirements and limit values for elastomers; ● To revise requirements on reagents; ● To add requirements on calibration solutions for elastomers; ● To add glass balls and conical flask as additional apparatus for applying the test method and porous graphitic carbon as alternative HPLC column; ● To revise requirements on sample preparation for other toys or parts of toys than balloons; 	<ul style="list-style-type: none"> ● 1 ● 3.1, 3.2 and Annex A.1 ● 4.2 and Annex A.3 ● 6.1 ● 6.2.6.3 ● 6.3 ● 7.3.2 and Annex C
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	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses
			<ul style="list-style-type: none"> ● To revise the injection volume in the analysis of N-nitrosamines and N-nitrosatable substances under HPLC chromatographic conditions; ● To add high resolution mass spectrometry as alternative confirmation method of N-nitrosamines; ● To revise the limits of detection and quantification of N-nitrosamines and N-nitrosatable substances in elastomers; and ● To include additional information on the specified migration time. 	<ul style="list-style-type: none"> ● 8.2 ● 8.4 ● 10.2.2 ● Annex A.5

ASTM Standard

(i)	ASTM F963-11	ASTM F963-17 (August 2017)	<ul style="list-style-type: none"> ● To revise the scope, referenced documents and terminology; ● To revise the safety requirements; ● To revise labelling requirements and instructional literature; ● To specify producer's marking on toy chests; ● To revise requirements on test methods; and ● To add design guidelines for battery operated toys. 	<ul style="list-style-type: none"> ● 1, 2 & 3 ● 4 ● 5 & 6 ● 7 ● 8 ● Annex A8
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Schedule 2 Product Standards

Babies' dummies

(i)	ASTM F963-11	ASTM F963-17 (August 2017)	<ul style="list-style-type: none"> ● To revise the terminology; ● To revise the safety requirements; and ● To revise requirements on test methods. 	<ul style="list-style-type: none"> ● 3 ● 4 ● 8
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	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses
Children's high chairs and multi-purpose high chairs for domestic use				
(i)	ASTM F404-16a	ASTM F404-17 (March 2017)	<ul style="list-style-type: none"> ● To revise the terminology; ● To revise general requirements; ● To revise performance requirements; ● To revise wording of test methods; and ● To revise requirements on marking, labelling and instructional literature. 	<ul style="list-style-type: none"> ● 3 ● 5 ● 6.7 and Note 6 ● 7.2.4.1, 7.4.2.4, 7.5.1.3 and 7.5.2.3 ● 8 and 9.2
Children's paints				
(i)	ASTM F963-11	ASTM F963-17 (August 2017)	<ul style="list-style-type: none"> ● To revise the terminology; ● To revise the safety requirements; and ● To revise requirements on test methods. 	<ul style="list-style-type: none"> ● 3 ● 4 ● 8
(ii)	AS/NZS ISO 8124.3:2012	AS/NZS ISO 8124.3:2012 / Amendment 1:2016 (June 2016)	<ul style="list-style-type: none"> ● To revise the wording of scope; ● To revise the note on selection of test portions from materials used to manufacture the toy; and ● To revise wording of note on packaging. 	<ul style="list-style-type: none"> ● 1.3 ● 7 and Annex C.6 ● Annex C.2.2