

Toys and Children’s Products Safety Ordinance (Cap. 424)

Proposed Amendments/ Updates to Standards Specified for Toys and Schedule 2 Products

Schedule 1: Toy Standards				
<i>ASTM Standard</i>				
	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
(i)	ASTM Standard ASTM F963-17	ASTM Standard ASTM F963-23 (October 2023)	<ul style="list-style-type: none"> ● To add and revise the list of referenced documents including ASTM Standards and Federal Standards; ● To revise the definition of “expanding material”; ● To clarify the definitions of “hand-held toy” and “close-to-the-ear toy” and distinguish them by their intended use and use distance; ● To add new terms and definitions of “common household tool” and “removable component”; ● To revise the definitions of “push or pull toy” and “tabletop, floor or crib toy”; ● To revise the items which are exempt from heavy elements requirements in the accessible substrate materials of toys; 	<ul style="list-style-type: none"> ● 2 ● 3.1.28 ● 3.1.14.1 and 3.1.37.1 ● 3.1.17 and 3.1.73 ● 3.1.69 and 3.1.89 ● 4.3.5.2(1)(g) and Note 8

ASTM Standard

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none">● To clarify that paint, coatings, electroplating, or certain fabric coverings are not considered as barriers to accessibility of toys or components;● To allow the process water used in manufacturing and filling of toys to use the most recent edition of the United States Pharmacopeia USP <1231> in respect of bacteriological standards for purified water;● For the clause relevant to phthalates:<ul style="list-style-type: none">- to retitle from “DEHP(DOP)” to “Phthalates”- to add a requirement that in any accessible plasticised component of toys (including pacifiers, rattles, and teethers) for children aged 12 or below, the concentration of any of the phthalates restricted by US Federal Standard 16 CFR 1307 shall not exceed 0.1%	<ul style="list-style-type: none">● Note 4● 4.3.6.1● 4.3.8

ASTM Standard

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none">- to require the testing for compliance to be conducted according to the test method of US Consumer Product Safety Commission, Standard Operating Procedure for Determination of Phthalates: CPSC-CH-C1001-09.4;● To specify the acoustics and use and abuse requirements for sound-producing toys of different intended age groups;● To add, revise and clarify the test methods and sound level pressure limits for different categories of sound-producing toy;● Battery-operated toys:<ul style="list-style-type: none">- to clarify that no battery shall be accessible without using common household tools to access the battery(ies) for toys intended for children less than 3 years old or for toys with batteries which fit completely within the small parts test cylinder	<ul style="list-style-type: none">● 4.5● 4.5.1 and Note 13● 4.25.4, 6.9 and Note 22

ASTM Standard

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none">- to require toys intended for children aged 8 years and older that utilize batteries, to be tested using the parameters for toys intended for children aged over 36 months to 96 months in use and abuse tests, if the batteries are small parts- if a fastener is used to secure the battery compartment, to require that the fastener shall remain attached to the toy or battery compartment cover before and after the use and abuse tests- to permit the use of a specialty fastener to secure the battery compartment if appropriate tool and instructional material are included with the toy;● Expanding materials:<ul style="list-style-type: none">- to revise the detail of the expanding toy test and change the size of the test template	<ul style="list-style-type: none">● 4.40.1, 4.40.1.1, 4.40.1.2 and Figure 30

ASTM Standard

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none">- to apply the expanding toy test to components of a toy that are small parts but are encased in an outer covering that is intended to be dissolved, opened or broken by the child to reveal the inner expanding component- to apply the expanding toy test to components sold in an expanded state but have the potential to contract (e.g. during storage) to yield a re-expandable small part;● To rectify the typographical error concerning the unit of measurement of metal sieve from μm to mm;● To change the referenced standard of the tiles used in drop test from US Federal Specification SS-T-312B to ASTM F1066;● To revise the detail and procedure of the impact test, test for kinetic energy and test for kinetic energy density of projectile toys;	<ul style="list-style-type: none">● 8.3.2.1● 8.7.1● 8.14.3, 8.14.5 and 8.14.6

ASTM Standard

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none">● To remove the storage requirements of improvised projectiles.	<ul style="list-style-type: none">● 8.14.7

Schedule 2: Schedule 2 Product Standards

Babies' dummies "1"

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
(i)	ASTM Standard ASTM F963-17	ASTM Standard ASTM F963-23 (October 2023)	<ul style="list-style-type: none"> ● <i>(Please refer to the major changes/ remarks as set out in Schedule 1 Toy Standards: ASTM F963-23 of this summary (P.1-6))</i> 	

Baby walking frames “2”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
(i)	European Standard BS EN 1273:2020	European Standard BS EN 1273:2020 + A1:2023 (May 2024)	<ul style="list-style-type: none"> ● To specify the edition of the safety standards which are referred to in this standard concerning definitions, requirements and test methods; ● The references to EN 71-2:2011+A1:2014 in this standard are updated to EN 71-2:2020; ● To revise the limit for migration of aluminium from materials on exterior surfaces from 70 000 mg/kg to 28 130 mg/kg; ● To clarify that after the test of static strength, the test masses shall be removed and the baby walking frame shall be allowed to recover for 1 hour to 1 hour 10 minutes before proceeding to the test of dynamic strength; ● To permit using different words of the same message for the warning statements required in marking of the product, purchase information and instructions for use; 	<ul style="list-style-type: none"> ● 2 ● 2 and 7.2 ● 6.2 ● 8.9.1 ● 9.1, 9.2, 9.3 and 9.4

Baby walking frames “2”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To add the following instructions for use: <ul style="list-style-type: none"> - the instructions for disassembly and reassembly if the product can be disassembled by consumers - the instruction of ‘This baby walking frame is intended for indoor use only’ - the instruction of ‘As the child is able to move rapidly when in a baby walking frame, be aware that the child can reach hazardous areas in the house, like a bathtub, household kitchen/ laundry appliances, heating devices, bookshelves/ furniture from which an object can fall, etc’; ● To change the table of “Translation of warning phrases” from normative requirements to informative materials. 	<ul style="list-style-type: none"> ● 9.4 ● Annex C

Bottle teats “3”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
(i)	European Standard BS EN 14350:2020	European Standard BS EN 14350:2020 + A1:2023 (August 2023)	<ul style="list-style-type: none"> ● To specify the edition of the safety standards which are referred to in this standard concerning definitions, requirements and test methods; ● To add EN 71-11:2005, Safety of toys - Part 11: Organic chemical compounds – Methods of analysis to the list of normative references and delete this standard from Bibliography; ● To revise the bibliography of EN ISO 9001, Quality management systems – Requirements. 	<ul style="list-style-type: none"> ● 2 ● 2 and Bibliography [11] ● Bibliography [4]

Bunk beds for domestic use “4”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
(i)	European Standard (a) BS EN 747-1:2012 + A1:2015	European Standard (a) BS EN 747-1:2024 (March 2024)	<ul style="list-style-type: none"> ● To revise the scope of this standard to cover bunk beds and high beds with an internal length greater than 1 400 mm and a maximum bed base width of 1 200 mm and with the upper surface of a bed base 600 mm or more above the floor; ● The references to EN 747-2:2012+A1:2015 in this standard are updated to EN 747-2:2024; ● To add the following new terms and definitions: <ul style="list-style-type: none"> - “completely bound opening” - “partially bound opening” - “upper bed” - “means of access” - “handrail”; ● To revise the definitions of the following existing terms: <ul style="list-style-type: none"> - “bunk bed” - “high bed” - “safety barrier” 	<ul style="list-style-type: none"> ● 1 ● 2 ● 3 ● 3

Bunk beds for domestic use “4”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> - “side and end rail” - “tread”; ● To revise the requirements for vertically protruding parts; ● To revise the requirements for accessible holes, gaps and openings; ● To revise and add new requirements for bed base(s); ● To revise and add new requirements for safety barriers around upper beds; ● To revise and add new requirements for means of access (including ladders, stairs and handrails and access platforms), with new diagrams; ● To add requirements for shear and squeeze points; ● To add requirements for all other accessible holes, gaps or openings not covered in 4.1.2 to 4.1.6; ● To revise the requirements for “Strength of means of access: attachment, deflection and strength”; 	<ul style="list-style-type: none"> ● 4.1.1 ● 4.1.2 ● 4.1.3 ● 4.1.4 ● 4.1.5 and Figure 6 ● 4.1.6 ● 4.1.7 ● 4.2

Bunk beds for domestic use “4”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To revise the requirements for strength of frame and fastenings; ● To revise and add new requirements for stability; ● To revise the requirements for fastening of the higher bed to the lower bed; ● To revise and add new requirements for marking and the pictogram required to be displayed; ● To revise and add new requirements for instructions for use; ● To add a new subclause to state the requirements for purchase information that shall be available at the point of sale; ● To add an annex to provide the rationales behind the update of this standard. 	<ul style="list-style-type: none"> ● 4.3 ● 4.4 ● 4.5 ● 5.1 and Figure 7 ● 5.2 ● 5.3 ● Annex A
(ii)	European Standard (b) BS EN 747-2:2012 + A1:2015	European Standard (b) BS EN 747-2:2024 (March 2024)	<ul style="list-style-type: none"> ● To revise the scope of this standard to cover beds with an internal length greater than 1 400 mm and a maximum bed base width of 1 200 mm and with the upper surface of a bed base 600 mm or more above the floor; 	<ul style="list-style-type: none"> ● 1

Bunk beds for domestic use “4”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● The references to EN 747-1:2012 + A1:2015 in this standard are updated to EN 747-1:2024; ● To add a new clause of “Terms and definitions”; ● To revise the preliminary preparation of general test conditions; ● To give a tolerance of 0.5% for any nominal dimension of 200 mm or more; ● To add new test equipment: finger probe with hemispherical end, shape assessment probe and other probes; ● To change the requirements of test mattress according to European Committee for Standardization, CEN/TR 17538:2020: Furniture - Common test equipment - Test foams and mattresses; ● To revise the requirements of test mass; ● To revise the diagram of V and irregular shaped openings template; 	<ul style="list-style-type: none"> ● 2 ● 3 ● 4.1 ● 4.3 ● 5.2, Figure 1, Figure 2 and Figure 3 ● 5.5 and Bibliography [1] ● 5.6 ● 5.10 and Figure 7

Bunk beds for domestic use “4”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To add new test equipment of test foam according to European Committee for Standardization, CEN/TR 17538:2020: Furniture - Common test equipment - Test foams and mattresses; ● To revise the test probes and forces to be used for the checking of gaps and openings; ● To give tolerance for the force application time in various tests; ● To revise that the durability test of frame and fastenings is applicable to products intended to be fixed to the wall. Nevertheless, such products shall not be fixed to the wall to carry out this test; ● To apply different vertical downward forces to ladders and treads of stairs in the vertical static load test; 	<ul style="list-style-type: none"> ● 5.11 and Bibliography [1] ● 6.3.1 and Table 1 ● 6.4.2.1, 6.4.3, 6.4.5.1, 6.4.5.2 and 6.6 ● 6.4.4 ● 6.4.5.1

Bunk beds for domestic use “4”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none">● To add a test for handrails;● To add static load test for platform barriers;● To add static load test for platform;● To add impact test for platform.	<ul style="list-style-type: none">● 6.4.5.5● 6.4.6.2● 6.4.6.3● 6.4.6.4

Carry cots and similar handled products and stands “5”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
(i)	European Standard BS EN 1466:2014	European Standard BS EN 1466:2023 (July 2023)	<ul style="list-style-type: none"> ● To modify the title from “Child use and care articles-Carry cots and stands-Safety requirements and test methods” to “Child care articles-Carry cots and stands for domestic use-Safety requirements and test methods”; ● To revise the scope of this standard that it is applicable to products which provide a sleep accommodation and are intended to be carried using one hand and for domestic use; ● To add and update the list of normative references; ● To add new terms and definitions of “protected volume”, “apron” and “mattress”; ● To remove the requirement of conditioning for any fabric intended to be washed or cleaned; ● To add a new test probe: shape assessment probe; 	<ul style="list-style-type: none"> ● Title ● 1 ● 2 ● 3.3, 3.4 and 3.5 ● 4 ● 5.3 and Figure 3c

Carry cots and similar handled products and stands “5”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To add new test equipment: rubber adaptor; ● To add new test equipment: test sphere; ● To add new test equipment for handle locking mechanism strength test; ● To add requirements of formaldehyde content for textile components and resin-bonded wood components; ● To add requirements of colorants content for textile components within the protective volume; ● To revise the requirements of thermal hazards; ● To clarify the detail of the test for rigidity of the sides of carry cots; ● To clarify the detail of the test for effectiveness of the retaining function of the sides of non-rigid carry cots; ● To add a test for testing the effectiveness of the retaining function of the ends of non-rigid carry cots; 	<ul style="list-style-type: none"> ● 5.9 and Figure 7 ● 5.11 ● 5.12 and Figure 9 ● 6.2.2 ● 6.2.3 and Table 1 ● 6.3 ● 7.1.2.1.2 ● 7.1.2.3 ● 7.1.2.4

Carry cots and similar handled products and stands “5”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To revise the procedure for the measurement of the total height of the carry cot; ● To allow the installation of restraint system if the carry cot has other functions like convertible seat unit; ● To add requirements and test method for carry cots with reclinable base; ● To revise the requirements and test method of entrapment hazards; ● To add a test for the suffocation hazards due to the softness of the base; ● To add requirements for mattress size; ● To revise the procedure for the test for stability of stands and retention of carry cot on the stand; ● To add a test for the strength of carrying handle locking mechanism; ● To add requirements for the test for static strength of carry cots; 	<ul style="list-style-type: none"> ● 7.1.3.2 ● 7.1.5 ● 7.1.6 ● 7.2 ● 7.6.4 ● 7.6.5 ● 7.8.3.2 ● 7.9.2 ● 7.9.3.1 and 7.9.3.2.1

Carry cots and similar handled products and stands “5”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To add detail to the procedure of the test for dynamic strength of carry cots; ● To revise the test method of the strength test of locking and folding mechanisms of stands; ● To specify the minimum height of letters in the warning statements; ● To add a new graphical symbol for indicating “Maximum weight of the child: 9 kg”, to accompany the warning statement required to be visible at the point of sale; ● To add new markings of warning statement and graphical symbol for non-rigid carry cot; ● To revise the warning statements and information required to be given in the instructions for use and maintenance. 	<ul style="list-style-type: none"> ● 7.9.3.2.2 ● 7.9.5.2 ● 9.1 ● 9.2.2 and Figure 20 ● 9.3d and Figure 21 ● 9.4

Children's paints "9"

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
(i)	ASTM Standard ASTM F963-17	ASTM Standard ASTM F963-23 (October 2023)	<ul style="list-style-type: none"> ● <i>(Please refer to the major changes/ remarks set out in Schedule 1 Toy Standards: ASTM F963-23 of this summary (P.1-6))</i> 	
(ii)	Joint Australian/ New Zealand Standard AS/NZS ISO 8124.3:2021	Joint Australian/ New Zealand Standard AS/NZS ISO 8124.3:2021 (incorporating Amendment 1:2023) (October 2023)	<ul style="list-style-type: none"> ● To add that the bioavailability of boron resulting from the use of toys should not exceed 30.0 µg per day; ● To add terminological entries of "slime" and "modelling clay and putty"; ● To add slime and putty as toy materials and add the maximum acceptable level of boron in modelling clay, putty and slime to the table of "Maximum acceptable element migration from toy materials"; ● To raise the maximum acceptable level of soluble barium in modelling clay from 250 mg/kg to 350 mg/kg in the table of "Maximum acceptable element migration from toy materials"; ● To add boron to the table of "Analytical correction"; 	<ul style="list-style-type: none"> ● Introduction ● 3.13 and 3.14 ● Table 1 ● Table 1 ● Table 2

Children's paints "9"

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To specify that slime shall not be dewaxed when preparing test portion of pliable modelling materials; ● To add rationale for the raise of maximum acceptable level of soluble barium in modelling clay; ● To add rationale for adding maximum acceptable level of boron in modelling clay, putties and slime; ● To add a bibliography for Guidelines for drinking-water quality: fourth edition incorporating the first addendum. 	<ul style="list-style-type: none"> ● 9.8.1 ● D.3 ● D.3 ● Bibliography [9]

Wheeled child conveyances “12”

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/ Remarks	Affected Clauses (with reference to the Updated Standards)
(i)	European Standard (b) BS EN 1888-2:2018	European Standard (b) BS EN 1888-2:2018 + A1:2022 (November 2023)	<ul style="list-style-type: none"> ● To revise the graphical symbol required to be marked on the vehicle concerning the maximum weight of each child the vehicle is intended for; ● To provide a new graphical symbol of purchase information concerning the maximum weight and age of each child the vehicle is intended for; ● To add a bibliography for European Committee for Standardization, CEN/TR 13387-5:2018: Child care articles – General safety guidelines – Part 5: Product information. 	<ul style="list-style-type: none"> ● 7.1, Note 1, Note 2, Note 3, Note 4 and Figure 2 ● 7.2, Note 1, Note 2 and Figure 3 ● Bibliography [2]