



Connectivity & Products

Update on International Standards & Regulations for Juvenile Products


Juvenile Products Safety Forum | Catherine Follin-Arbelet | October 27, 2022



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Presenter


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Catherine, who has years of experience in juvenile products, joined SGS in 2010. Prior to that, she worked as Manager of Children Products testing, gaining extensive experience in toys and playground equipment testing.

Today, Catherine participates in CEN standardization works through European working groups and is convener of the working group on the safety of furniture for children (cots, chairs and tables for children, mattresses, etc.).

She has been recently appointed as Chairman of the CEN TC252 in charge of developing standards for the safety of childcare articles, and co-chairman of the ISO TC310.



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Content

- Regulation and standard update:
 - Europe
 - USA
 - Canada
 - Brazil
 - China
- ISO standards

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Focus on European Market: Regulations and standards update



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Regulation Applicable in Europe

European General Product Safety Directive 2001/95/EC (GPSD)
 - Under revision

- Safety
- Compliance
- Product information and warnings

▪ RAPEX

Draft EU decision on the safety of products intended for children
 - Expected 2023




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Child Restraint Systems

ECE R44

- Agreement concerning the adoption of uniform technical prescriptions for wheeled vehicles, equipment and parts which can be fitted and/or used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions
- February 2008
- From Sept. 1, 2020 no homologation unless boosters' cushions




I-SIZE UN R129

- Uniform provisions concerning the approval of enhanced Child Restraint Systems used on board of motor vehicles (ECRS)
- Effective since July 2013

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EU Regulations on Chemicals

REACH
Regulation (EC) N°1907/2006 of December 18, 2006, concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

Persistent Organic Pollutants
European regulation (EU)2019/1021 published on June 20, 2019


Food Contact
Directive 10/2011/EC
Other national regulations

Phthalates	DMF	Flame Retardants
Azo Dyes	Nickel	Pesticides
Pentachlorophenol	Organotin	SCCPs
Bisphenol A	Lead	
Cadmium	SVHCs	
PAHs	...	

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National Regulations




France

French Decree 91-1292 issued December 21, 1991, related to childcare articles **modified by Decree 2019-1007 published September 30, 2019:**

- Compliance
- Type examination [Art.4]
- Product information [Art.6]

Applicable to products designed to facilitate the functions of seating, cleaning, sleeping, transport, moving and physical protection for children from birth to 48 months.

Important note: the sentence "Conforme aux exigences de sécurité" is **no longer required**.




United Kingdom

Specific regulation applicable to the British market
Furniture and furnishing fire regulation (1988 No 1324 and amendment 1989 No 2358) applicable to some childcare articles as well.

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EU Standards: Update on Changes



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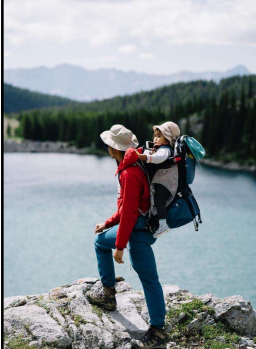
Latest publications

Test products	Standards applicable	Update October 2022 Status of standards	Published French Decree 91-1292	Published OJEU for GPSD 2001/95/EC
Prams and Pushchairs	EN 1888-1 +A1:2022	Published April 2022	Previous version	
Framed Back Carriers	EN 13209-1:2022	Second publication May 2022	Previous version	
Child Seats for Bicycles	EN 14344:2022	Published June 2022	Previous version	

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Revision of EN 13209-1: 2022



- Scope defines intended use up to 22 kg
- Conversion of the standard to a hazard based format including rationales
- Updates on chemicals (adding formaldehydes), flammability, finger entrapment and entanglement hazards
- Improvement of test method for carer attachment system and test masses
- Product information improved, warning for packaging material, purchase information and translation of warning sentences added
- Maximum weight: 22 kg
- Requirement on locking mechanisms deleted

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Amendment A1 to EN1888-1: 2022




- Chemicals : application of EN71-3 – not dated (last update)
- Locking mechanisms : improvement of wording in the clause for a better interpretation of the requirement
- Entanglement hazard : take into account head entrapment in loops created by handles
- Bite test : modification of test method to improve reproducibility
- Hazards due to swivelling wheels : clause 8.9.3 deleted
- Details on adjustment of the vehicle for stability, parking device test, irregular surface test, to improve reproducibility

📄 Pictograms now available on CEN website
Follow the link!
[European Labels - CEN-CENELEC \(cencenelec.eu\)](https://www.cenelec.eu)

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Revision of EN 14344: 2022

- FULL REVISION of the standard
- Hazard based approach

Type of seat	Height/Weight range	
	9 kg to 15 kg	9 kg to 22 kg
Rear seat	A15	A22
Front seat between handlebar of the cycle and rider	C15	Not permitted
Maximum standing height of the child	900 mm	1 100 mm
Front seat in front of handlebar of the cycle	Not permitted	Not permitted


- Translation of warning sentences given



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Established standards


Test products	Standards applicable	Update October 2022 Status of standards	Published French Decree 91-1292	Published OJEU for GPSD 2001/95/EC
High Chairs	EN 14988 + A1:2020		July 2021	
Drinking Equipment	EN 14350:2020	Amendment A1 prepared for publication to the OJEU	N/A	
Harnesses and Reins	EN 13210-1:2020	Published December 2020	July 2021	
Harnesses including Backpack and Rein	EN 13210-2:2020	Published December 2020	July 2021	
Mattresses for Cots and Cribs	EN 16890 + A1:2021	Published June 2021	N/A	Version 2017
Seating for Children	EN 17191:2021	Published July 2021	N/A	



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Established standards


Test products	Standards applicable	Update October 2022 Status of standards	Published French Decree 91-1292	Published OJEU for GPSD 2001/95/EC
Cribs	EN 1130:2019		✓	
Cot Bumpers	EN 16780:2018		N/A	
Duvets for Children	EN 16779-1:2018		N/A	
Bathing Aids	EN 17022:2018		✓	
Bath Tubs and Stands	EN 17072:2018		✓	
Soothers	EN 1400 + A2:2018		N/A	
Bicycle Trailers	EN 15918 + A2:2018		✓	



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Established standards

Test products	Standards applicable	Update October 2022 Status of standards	Published French Decree 91-1292	Published OJEU for GPSD 2001/95/EC
Playpens	EN 12227 Parts 1/2:2010		✓	
Cots and Folding Cots	EN 716 Parts 1/2:2017 + AC 2019		✓	
Baby Bouncers	EN 14036:2003		✓	
Soft Baby/Infant Carriers	EN 13209-2:2015		✓	
Changing Units (Dressers)	EN 14749:2016			
Chair Mounted Seats	EN 16120 + A2:2017		✓	
Table Mounted Seats	EN 1272:2017		✓	
Finger Protection Devices for Doors	EN 16654:2015		N/A	
Locking Devices for Cupboards and Drawers	EN 16948:2017		N/A	




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Revisions or amendments (to be published soon !)

Test products	Standards applicable	Update October 2022 Status of standards	Target date	Published French Decree 91-1292	Published OJEU for GPSD 2001/95/EC
Reclined Cradles/Car Seats	EN 12790:2009	Part 1: Reclined cradles for children up to when they start to sit up	2022	✓	
		Part 2: Reclined cradles for children up to when they start to stand up			
Carry Cots and Stands	EN 1486 + AC: 2015	Revision FV*	2023	✓	✓
Pushchairs	EN1888-2:2018	Amendment A1 FV	2022	✓	


* FV means Formal Vote – last step before publication. No technical changes can be made at that stage



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Revisions or amendments


Test products	Standards applicable	Update October 2022 Status of standards	Potential date	Published French Decree 91-1292	Published OJEU for GPSD 2001/95/EC
Safety Barriers	EN 1930:2011	1 st enquiry	2025	✓	✓
Baby Walking Frames	EN 1273:2020	1 st Enquiry on amendment A1	exp. 2023	(previous version)	(previous version)
Changing Units	EN12221 + A1 Parts 1/2:2013	1st enquiry	2024	✓	
Soother Holders	EN 12586 + A1: 2011	Formal vote	2023	N/A	
Cutlery and Feeding Utensils	EN 14372:2004	Revision launched		N/A	
Sleeping Bags	EN 16781:2018	Revision launched		N/A	
Children's Swings	EN 16232 + A1: 2018	Revision launched		✓	✓



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New EU Standards expected


Test products	National standards applicable	Update October 2022 Status of standards	Potential date
Sling Baby Carriers	TR16512 prEN13209-3	Draft under preparation	
Pushchairs for Sporting Activities	prEN1888-3	Solving comments 1 st enquiry 9 months tolerance asked	2024
Platforms for Pushchairs	prEN1888-4	Works suspended	
Tricycles Convertible into a Pushchair	Draft TS	Second TC approval to be launched	2023
Bed guards	New work item	Draft under preparation	Was planned 2023



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National Standards Available

Test products	Standards applicable	Update October 2022 Status of standards	Published French Decree 91-1292
FRENCH STANDARDS AVAILABLE			
Bath Thermometers	NF S54-042:2012		√
Chairs and Tables for Children	NF D60-300-1:2019 NF D60-300-2:2008		
Children's Beds	NF D60-300-4:2019		√
Rest Beds for Collective Use	NF S54-045:2014		√
Rain Covers	NF S54-043:2015		
BRITISH STANDARDS AVAILABLE			
Bedguards	BS 7972:2001		
Toddler Beds	BS 8509:2008		



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16 CFR 1330 – Requirements for consumer registration of durable infant or toddler products

<p>Products Concerned</p> <p>Full list</p> <ul style="list-style-type: none"> Cots and folding cots – all dimensions, toddler beds, cribs and cradles and small cots High chairs, booster seats, table mounted seats and reclined cradles, folding chairs for children and infant swings Bathing aids; ring and tub Safety barriers and other child restraint systems, bed guards and playpen Baby walkers and stationary activity centers Baby carriers and slings Pushchairs 	<p>Requirements</p> <ul style="list-style-type: none"> Register card with stamp, attached to the product in a visible manner Keep records of registered consumers Indicate, in a permanent way, the name and how to contact the manufacturer (address & telephone in the US), name and/or reference of the model, plus manufacturing date (month & year)
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*"PRODUCT" REGISTRATION FOR SAFETY ALERTS OR RECALLS. We will use the information provided on this card to contact you only if there is a safety alert or recall for this product. We will not sell, rent, or share your personal information. To register your product, please complete and mail this card or visit our online registration at <http://www.uschildstpr.com>.



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US – Regulations


<p>General Regulations</p> <ul style="list-style-type: none"> 16 CFR 1200 – Definition of children's products under the Consumer Products Safety Act CPSIA 2008 – Tracking labels for children's products 16 CFR 423 – Care labels and 16 CFR 300/303 – Textile fiber products identification act 	<p>Chemicals</p> <ul style="list-style-type: none"> 16 CFR 1303 – Ban for lead-containing paint California Proposition 65 – List on chemicals known to cause cancer or reproductive toxicity CARB – formaldehyde emissions standard (CA Code of Regulation Title 17) Food Contact FDA FSSE21 CFR 175-177 CPSIA 2008 Total Lead content (coating materials and substrate) Phthalates (BBP, DBP, DEHP, DIDP, DINP, DNOP)
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Other Important Regulations in the US

Articles	Materials	Regulation
Food contact: feeding bottles, cutlery and utensils...	PP Plastic materials	FDA 21 CFR 177.1520
	Silicone	FDA 21 CFR 177.260
	Stainless steel	FDA 21 CFR 177.300
	Nitrosamines	CPG Sec 500.450
Articles with batteries	Mercury	US law 104 – 142
Packaging	Cadmium, Chromium (VI), Lead and Mercury	Legislation CONEG – TPCH (19 states)



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US Standards and Regulations:
Update on Changes

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Articles	Standard Update October 2022	Regulation
Carriages and Strollers	ASTM F833 – 21	16 CFR 1227
Soft Infant and Toddler Carriers	ASTM F2236 – 16a	16 CFR 1226
Frame Child Carriers	ASTM F2549 – 22	16 CFR 1230
Sling Carriers	ASTM F2907 – 19	16 CFR 1228
Full Size Baby Cribs	ASTM F1169 – 19	16 CFR 1219
Non-full Size Baby Cribs	ASTM F406 – 19	16 CFR 1220
Bed Side Sleepers	ASTM F2906 – 13 (19)	16 CFR 1222
Toddler Beds	ASTM F1821 – 19*2	16 CFR 1217
Bassinets and Cradles	ASTM F2194 – 22e1	16 CFR 1218
Hand Held Infant Carriers	ASTM F2050 – 19	16 CFR 1225
Infant Bath Seats	ASTM F1967 – 19	16 CFR 1215
Infant Walkers	ASTM F977 – 18 (2022)	16 CFR 1216

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Articles	Standard Update October 2022	Regulation
Play Yards	ASTM F406 – 19	16 CFR 1221
Infant Swings	ASTM F2088 – 22	16 CFR 1223
Portable Bed Rails	ASTM F2085 – 19	16 CFR 1224
Infant Bath Tubs	ASTM F2670 – 22	16 CFR 1234
Pacifiers	ASTM F963 – 17	16 CFR 1511
High Chairs	ASTM F404 – 21 (2022)	16 CFR 1231
Expansion Gates and Expandable Enclosures	ASTM F1004 – 22	16 CFR 1239
Stationary Activity Centers	ASTM F2012 – 18e1	16 CFR 1238
Childrens Chairs and Stools	ASTM F2613 – 21	16 CFR 1232
Booster Seats	ASTM F2640 – 18	16 CFR 1237

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Articles	Standard Update October 2022	Regulation
Portable Hooks on Chair	ASTM F1235 – 18	16 CFR 1233
Infant Floor Seats	ASTM F3317 – 20	
Baby Changing Tables	ASTM F2388 – 21	16 CFR 1235
Changing Tables for Commercial Use	ASTM F2285 – 04 (2016)e1	
Chests, Door Chests and Dressers	ASTM F2057 – 19	
Toys Chests	ASTM F963-17	
Commercial Cribs	ASTM F2710 – 19	
Infant Bedding and Related Accessories	ASTM F1917 – 20*1	NPR – Ban of bumpers / LAW 16 CFR 1240
Infant Bouncer Seats	ASTM F2167 – 22	16 CFR 1229
Infant Toddler Rockers	ASTM F3084 – 22	
Infant Sleep Products	ASTM F3118 under revision	16 CFR 1236
Crib Mattresses	ASTM F2933 – 21a	16 CFR 1241
Child seats for cycles and bicycle trailers	ASTM F1625-00 (2018)	

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Revision marks (1/4)

Standard	Revision
ASTM F2549-22 Frame Child Carriers	<ul style="list-style-type: none"> Increase weight considered to 50 lb (22.7 kg) Requirement on locking/latching not applicable to kick stand, replaced by a test Load any pocket or receptables to carry out tests Add requirements on labels Improvement of warning sentences, labelling
ASTM F2194-22 Bassinets and Cradles	<ul style="list-style-type: none"> Widen the scope to cover compact bassinets or cradles, with clear definitions Different stability for bassinets / compact bassinets test added Sleeping pad considered as mattress Complete product information, warning label on suffocation hazards Global improvement of text and methods

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Revision marks (2/4)

Standard	Revision
ASTM F2088-22 Infant Swings	<ul style="list-style-type: none"> FALL and STRANGULATION HAZARDS: Infants have suffered head injuries falling from swings and have strangled in straps. ALWAYS use restraints. Adjust to fit snugly. STOP using product when infant attempts to climb out (approximately 9 months). Stay near and watch baby during use. This product is not safe for sleep or unsupervised use. If baby falls asleep, remove baby as soon as possible and place baby on a firm, flat sleep surface such as a crib or bassinet.

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Revision marks (3/4)


Standard	Revision
ASTM F2167-22 Infant Bouncer Seats	<ul style="list-style-type: none"> ▶ Adjustment of wording ▶ Improvement of fall hazard and suffocation warning sentences. Stay near and watch baby during use. This product is not safe for sleep or unsupervised use. If baby falls asleep, remove baby as soon as possible and place baby on a firm, flat sleep surface such as a crib or bassinet.
ASTM F3084-22 Infant Toddler Rockers	<ul style="list-style-type: none"> ▶ Definition ▶ Improvement of suffocation warning sentences. This product is not safe for sleep or unsupervised use. If baby falls asleep, remove baby as soon as possible and place baby on a firm, flat sleep surface such as a crib or bassinet.



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Revision marks (4/4)

Standard	Revision
ASTM F2388-21 Baby Changing Tables	<ul style="list-style-type: none"> ▶ Adjustment of warning labels, warning sentences
ASTM F1004-22 Expansion Gates and Expandable Enclosures	<ul style="list-style-type: none"> ▶ Correction of references to figures




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Canada: Regulated Standards


Articles	Standard – regulation Update October 2022
Carriages and Strollers	SOR/2016-167 Consultation closed, but implementation not made yet
Expansion Gates and Expandable Enclosures	SOR/2016-179
Playpens	SOR/2018-186
Cribs, Cradles and Bassinets	SOR/2016-152
Phthalates	SOR/2016-194
Regulation on Surface Coatings	SOR/2005-109
Soothers/Pacifiers	SOR/2016-184
Baby walking frames	CCPSA Schedule 2 Item 3 : prohibited
Child restraint systems	SOR/2016-191



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Brazil: Regulated Standards/Certification


Articles	Standard Update October 2022	Regulation
Feeding Bottles and Teats	NBR 13793	Ordinance 216/2021
Prams and Pushchairs for Babies	NBR 14389	Ordinance 167/2021
High Chairs	NBR 15991 – 1 & 2	Ordinance 168/2021
Cots	NBR 15860 – 1 & 2	Ordinance 143/2021
Mattresses for Children	NBR 13579 – 1 & 2	Ordinance 35/2021 and 75/2021
Soothers	NBR 10334	Settlement 34/2009
Soother holders	NBR 15260	
Car Seats	NBR 14400	Ordinance 246/2021
Baby Walkers	NBR 16311	Ordinance 129/2021
Portable hook on chairs	NBR 15991 – 1 & 2	Ordinance 168/2021



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ISO Standards

Articles	Standard	Status Update October 2022
Cots and Folding Cots	ISO 7175 – 1 & 2:2019	
High Chairs	ISO 9221 – 1:2015 ISO 9221 – 2:1995	
Mattresses for Cribs and Cots	ISO 23767:2021	
Wheeled Child Conveyances/ Prams, Pushchairs, Strollers	ISO 31110:2020	



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