



Connectivity & Products

Update on International Standards & Regulations for Juvenile Products


Juvenile Products Safety Forum | Catherine Follin-Arbelet | October 11, 2021



1

Presenter


Catherine Follin-Arbelet
Global Business Development and Technical Manager, Juvenile Products
SGS
catherine.follinarbelet@sgs.com



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.



2

SGS at a Glance

 N°1 World leader	 93 000 Employees	 2 600 Offices and laboratories	 7 Global industries	 Global Service Local Expertise
---	---	---	--	--



3

Connectivity & Products


- For the Consumer Goods & Retail industry, we offer turnkey and tailored solutions to help brands and retailers improve the safety, efficacy and quality of products throughout the entire product life cycle
- We offer regulatory and performance testing for all consumer products, from your morning coffee cup to the bed you sleep on at night

In the end, it's only trusted because it's tested.


Stronger. Tested.
Box. Tested.
Drill. Tested.
Lipstick. Tested.
Toy Robot. Tested.
Mattress. Tested.
Helmet. Tested.
Pen. Tested.
Paint. Tested.
Chair. Tested.

4


Connectivity & Products – the SGS Testing Lab Network



About **125** laboratories and **16,380** employees




5



Content

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

The content of this document is proprietary and confidential information of SGS. It is not intended to be distributed to any third party without the written consent of SGS.
© SGS Group Management SA – 2021 – All Rights Reserved – SGS is a registered trademark of SGS Group Management SA



6

Focus on European Market: Regulations and standards update



7

Regulations Applicable in Europe

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

- Safety
- Compliance
- Product information and warnings
- RAPEX

Draft mandate on the safety of products intended for children



SGS

8

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 be 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 group III boosters

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



SGS

9

EU Regulations on Chemicals



REACH

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

Phthalates
Azo Dyes
Pentachlorophenol
Bisphenol A
Cadmium
PAHs
DMF
Nickel
Organotin
Lead
SVHCs
...



Persistent Organic Pollutants

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

Flame Retardants
Pesticides
SCCPs



Food Contact

Directive 10/2011/EC
Other national regulations

SGS

10

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.

SGS

11

EU Standards: Update on Changes



SGS

12

Latest publications

Test products	Standards applicable	Update October 2021 Status of standards	Published French Decree 91-1292	Published OJEU for GPSD 2001/95/EC
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	
Framed Back Carriers	EN 13209-1:2021	Published July 2021	Previous version	



13

Revision of EN 13210

- Standard now split into two different parts:
 - Part 1 – applicable to all harnesses and reins
 - Part 2 – applicable when a backpack is incorporated
- Standards drafted in a hazard based format
- Updates on chemicals and general requirements
- Review of all dimensions and adjustment ranges
- Extension for a training rein now covered
- Description of tests improved
- Added a part 2 for harnesses with a backpack



14

Amendment to EN 16890 + A1:2021

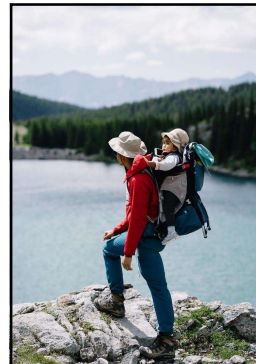
- Correction of a mistake on the measurement method for length and width, change of tolerance (- 0/+ 20) mm and adding verification of nominal thickness
- Precision on loading points for durability
- Adding definitions for a better understanding of the standard requirements
- Thickness shall be indicated, and the nominal thickness shall not be less than measured



15

Revision of EN 13209-1:2021

- Scope defines intended use up to 18 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



16

Established standards

Test products	Standards applicable	Update October 2021 Status of standards	Published French Decree 91-1292	Published OJEU for GPSD 2001/95/EC
Cribs	EN 1130:2019		✓	
High Chairs	EN 14988 + A1:2020		July 2021	
Drinking Equipment	EN 14350:2020		N/A	
Baby Walking Frames	EN 1273:2020		(previous version)	(previous version)



17

Established standards

Test products	Standards applicable	Update October 2021 Status of standards	Published French Decree 91-1292	Published OJEU for GPSD 2001/95/EC
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	
Children's Swings	EN 16232 + A1:2018		✓	✓
Bicycle Trailers	EN 15918 + A2:2018		✓	



18

Established standards

Test products	Standards applicable	Update October 2021 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	

SGS

19

Revisions or amendments (to be published soon !)

Test products	Standards applicable	Update October 2021 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 <i>Draft revision ready (FV)</i>			
Safety Barriers	EN 1930:2011	Revision process <i>FV to be launched</i>	2022	✓	✓
Carry Cots and Stands	EN 1466 + AC: 2015	Revision <i>FV to be launched</i>	2022	✓	✓
Child Seats for Bicycles	EN 14344:2005	Revision process <i>FV to be launched</i>	2022	✓	✓

SGS

20

Revisions or amendments

Test products	Standards applicable	Update October 2021 Status of standards	Target date	Published French Decree 91-1292	Published OJEU for GPSD 2001/95/EC
Prams and Pushchairs	EN 1888-1:2018	Amendment A1 <i>Ready for first enquiry</i>		✓	
Pushchairs	EN1888-2:2018	Amendment A1 <i>Ready for first enquiry</i>			
Soothing Holders	EN 12586 + A1: 2011	Revision launched		N/A	
Cutlery and Feeding Utensils	EN 14372:2004	Revision launched		N/A	
Changing Units	EN12221 + A1 Parts 1/2:2013	Revision launched <i>Ready for 1st enquiry</i>		✓	
Sleeping Bags	EN 16781:2018	Revision launched		N/A	

SGS

21

New EU Standards expected

Test products	National standards applicable	Update October 2021 Status of standards	Target date
Sling Baby Carriers	TR16512 prEN13209-3	Draft under preparation	
Pushchairs for Sporting Activities	prEN1888-3	Ready to be sent for first enquiry	2023
Platforms for Pushchairs	prEN1888-4	Works suspended	
Tricycles Convertible into a Pushchair	Draft TR	Under consultation	2021

SGS

22

National Standards Available

Test products	Standards applicable	Update October 2021 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		July 2021
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		

SGS

23

Focus on US Market: Applicable Regulations and Standards



24

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

Products Concerned

Full list

- 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

Requirements

- 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)

"PRODUCT" REGISTRATION FOR SAFETY ALERT OR RECALL: 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.sgsusa.com>

SGS

25

US – Regulations

General Regulations

- 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

Chemicals

- 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)

SGS

26

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)

SGS

27

US Standards and Regulations: Update on Changes



SGS

28

1/3

Articles	Standard Update October 2021	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 – 14a	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 – 19e1	16 CFR 1217
Bassinets and Cradles	ASTM F2194 – 16e1	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	16 CFR 1216

SGS

29

2/3

Articles	Standard Update October 2021	Regulation
Play Yards	ASTM F406 – 19	16 CFR 1221
Infant Swings	ASTM F2088 – 21	16 CFR 1223
Portable Bed Rails	ASTM F2085 – 19	16 CFR 1224
Infant Bath Tubs	ASTM F2670 – 18	16 CFR 1234
Pacifiers	ASTM F963 – 17	16 CFR 1511
High Chairs	ASTM F404 – 20	16 CFR 1231
Expansion Gates and Expandable Enclosures	ASTM F1004 – 21	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

SGS

30

3/3

Articles	Standard Update October 2021	Regulation
Portable Hooks on Chair	ASTM F1235 – 18	16 CFR 1233
Infant Floor Seats	ASTM F3317 – 20	
Baby Changing Tables	ASTM F2388 – 18	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 16 CFR 1240
Infant Bouncer Seats	ASTM F2167 – 19	16 CFR 1229
Infant Toddler Rockers	ASTM F3084 – 20	
Infant Sleep Products	ASTM F3118 under revision	16 CFR 1236
Crib Mattresses	ASTM F2933 – 21	16 CFR 1241

SGS

31

Revision marks

Standard	Revision
ASTM F933-21 Carriages and Strollers	► Requirement on parking brake developed, ensuring the child is not able to operate it
ASTM F2088-21 Infant Swings	► Definition of a cradle swing modified ► Edits on marking for batteries
ASTM F1004-21 Expansion Gates and Expandable Enclosures	► Add full clause giving requirements on visual side pressure indicators
ASTM F2933-21 Crib Mattresses	► Aftermarket mattresses: clause reworded and completed, revised to be less design-restrictive
ASTM F2613-21 Children's Chairs and Stools	► Exclude infant/toddler rockers from scope ► Include children's ottomans

SGS

32

Other Countries



SGS

33

Canada: Regulated Standards

Articles	Standard – regulation Update October 2021
Carriages and Strollers	SOR/2016-167 Under consultation
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

SGS

34

Brazil: Regulated Standards/Certification

Articles	Standard Update October 2021	Regulation
Feeding Bottles and Teats	NBR 13793	Settlement 35/2009 and RDC221
Prams and Pushchairs for Babies	NBR 14389	Ordinance 167
High Chairs	NBR 15991 – 1 & 2	Ordinance 168
Cots	NBR 15860 – 1 & 2	Settlement 269/2011, Ordinances 243, 594 and 53
Mattresses for Children	NBR 13579 – 1 & 2	Settlement 79/2011
Soothers	NBR 10334	Settlement 34/2009
Car Seats	NBR 14400	
Baby Walkers	NBR 16311	Ordinance 42/16311

SGS

35

China: Regulated Standards/Certification

Articles	Standard Update October 2021
Strollers	GB 14748:202X
Children Furniture	
Cots	Technical specifications for the safety of furniture for infants and children
Small Cots	
Bunk Beds	
High Chairs	
Baby Walkers	GB 14749:2006
Feeding Bottles, Soothers	GB 28482:2012
Baby Toddler Walking Assistants	GB 35448:2017
Baby Carriers	GB/T 35270:2017 GB/T 40227:2021
Car Seats	GB 27887

SGS

36

ISO Standards


Articles	Standard	Status Update October 2021
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/ Prms, Pushchairs, Strollers	ISO 31110:2020	



37

Thank you for listening

For inquiries, email us at
consumer.products@sgs.com

Connect with us
 [SGS Connectivity & Products](#)

Stay tuned with our newsletters
www.sgs.com/safeguards
www.sgs.com/consumercompact



Visit www.sgs.com/forum2021 to download the materials from the webinar



38