International

ISO 25649-3

Floating leisure articles for use on and in the water —

Part 3: Additional specific safety requirements and test methods for Class A devices

Articles de loisirs flottants à utiliser sur ou dans l'eau —

Partie 3: Exigences de sécurité et méthodes d'essai complémentaires propres aux dispositifs de Classe A

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This document was prepared by Technical Committee ISO/TC 83, *Sports and other recreational facilities and equipment*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 136, *Sports, playground and other recreational facilities and equipment,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 25649-3:2017), which has been technically revised.

The main changes are as follows:

— update of Clause 2;

— in 4.3.7.1, modification of the requirements for Class A products - superstructure;

— creation of new subclauses (4.3.8.1 to 4.3.8.5) to include other fixation methods;

— update of 4.3.8 and 5.4.2.

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According to the nature and the intended use of the products dealt with in this document the technical requirements are focused on space per person, floating stability matters and residual buoyancy in case of an emergency.

Some of the products provide dual or multiple use features.

NOTE Multiple use features product is considered as a product intended to be used for more than one purpose (e.g: trampoline for jumping or resting).

Comprehensive consumer information requirements complete the requirement profile of the document and include basic purchase information on whether a product provides floating stability or needs to be balanced by the user, to create safe floating.

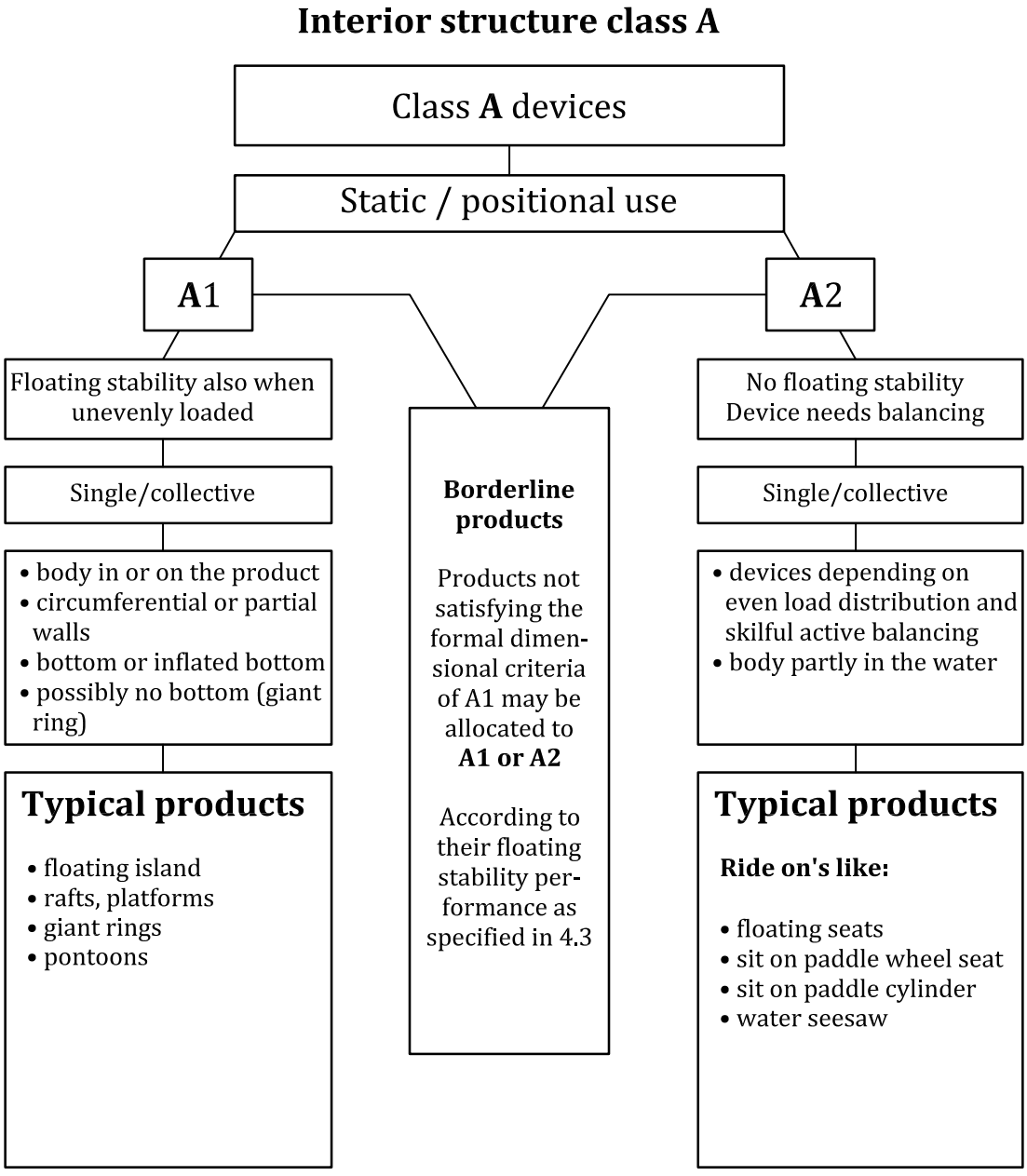

Figure 1 — Interior structure Class A devices

The risk assessment for this document is shown in Table 1.

Table 1 — Introductory risk analysis

Class	Typical products	Place of usage	Function; range of usage; target / age group	Type of movement / propulsion	Position of user regarding equipment and elevation above water	Predictable misuse	Partial risk related to water environment	Final risk	1.1 Protection ai 1.2 Related stand regulation
A1	Floating inflatable islands; recreational raft; platform/ pontoon, etc.	Sea shore, close to shore; lakes; smoothly running rivers; public or private pools; ponds.	Relaxing, resting on the water; sunbathing; basis for bathing and swimming or playing; device providing high level of floating stability; single and collective use; all age groups, swimmers.	Static use within limited area; little action; movement by pushing through swimming strokes only; no mechanical means of propulsion.	On or in (side walls) the device, laying, sitting, no direct body fit; grab handles might exist, but resting does not depend on gripping or balancing; no dangerous height of fall.	Dangerous distance from the bank/ shore; use in currents and/ or dangerous offshore winds; use by non-swimmers; fall over board; no diving platform.	Unnoticed drifting to open waters; falling asleep and consequently extreme sunburn, etc.; capsizing; skin irritation due to long duration of skin contact or dangerous substances in contact with skin; climbing back; hypothermia; cold shock.		Floating stability; r mum buoyancy; residual buoyancy; space, safety handl or lines; anchorage warning notes, labelling, swimmer only, age restriction according to ISO 61 1, ISO 6185-2 and ISO 6185-3
A2	Large buoyant structures.	Sea shore/ close to shore, lakes, public or private pools; ponds.	Action, playing in the water; balancing children; collective and single use; all age groups, swimmers.	Drifting; propulsion only by swimming strokes or third party.	On the device; loose fit via handles; no dangerous height.	Use by non-swimmers; use in current, canal, lack of supervision.	Drifting away in open waters due to wind and/or current; devices provokes use in deep; used by non-swimmers; falling into deep water.	DROWNING	Labelling, residual buoyancy, grab han supervision; warni
A1/A2	Air mattress for use in water; floatable pool loungers; floating seating structures; giant rings or tubes.	Sea shore close to the shore; lakes, public or private pools; ponds; sea.	Resting on the water; observation of underwater environment; play; mainly single use; floating stability depends on design; all age groups, swimmers.	Normally no mechanical means of propulsion but possible; drifting or propulsion by swimming strokes; seats might be equipped with pedals (wheel propulsion).	On or in the device; device is clung on; device is held; mainly a near horizontal posture sitting; no relevant elevation above water level.	Risks in A1 and risks in A2.	Risks in A1 and risks in A2.		No regulation and r are known to provi technical substance