International

ISO 25649-7

Floating leisure articles for use on and in the water —

Part 7: Additional specific safety requirements and test methods for Class E devices

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

Partie 7: Exigences de sécurité et méthodes d'essai complémentaires propres aux dispositifs de Classe E

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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 25649-7:2017), which has been technically revised.

The main changes are as follows:

— update of Clause 2;

— in Clause 10, addition of requirement dedicated to specific supervision for categories of consumers at risk when using product (children, non-swimmers, elderly, etc.).

A list of all parts in the ISO 25649 series can be found on the ISO website.

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This document addresses aquatic toys smaller than 1,2 m and inflatable boats providing a buoyancy greater than 1 800 N (see Figure 1 for Interior Structure Class E). It includes all kinds of boat propulsion and covers canoes and kayaks as well. The mostly combined safety and performance requirements deal with space per person, load capacity, floating stability, engine power and behaviour after loss of air pressure (failure of an air chamber).

Practical test runs prove the manoeuvrability of the boat under various conditions and the adequate motorization.

This document also addresses comprehensive consumer information related to selection before purchase and during use.

This document covers boats of customary construction and design with an overall length from 1,2 m (uninflated, flat) up to 1 800 N buoyancy. Such boats are mostly intended for recreational water activities and for the use by children. However, smaller tender boats such as those used on yachts also fall within this size range and small boats for specific applications (e.g. fishing boats) may also be included. Therefore, irrespective of the main group of users, powered boats and sail boats have also been taken into consideration.

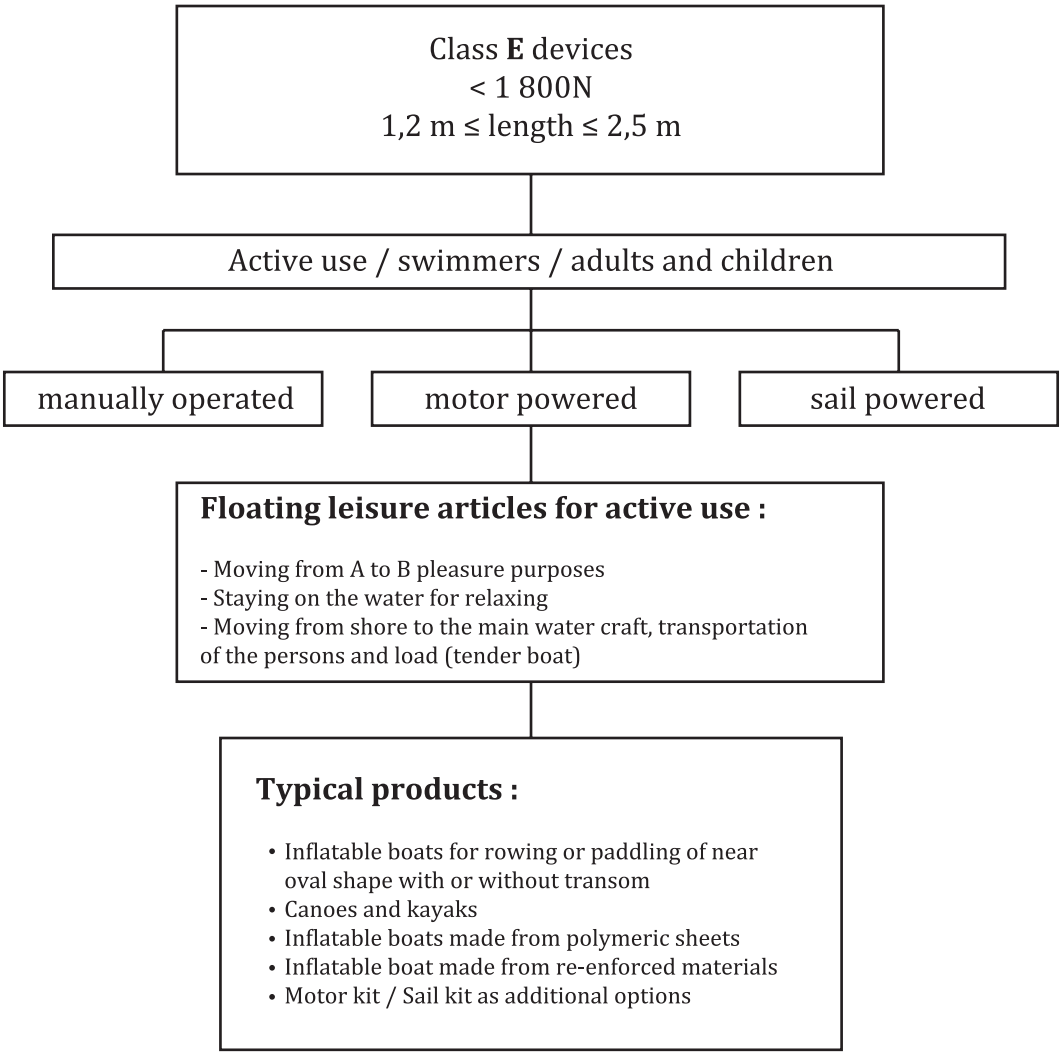

Figure 1 — Interior Structure Class E

For Class E devices examples see Annex C, D, E and F.

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

Class	Typical products	Place of usage	Function; range of usage; target/age group	Type of movement/ propulsion	Position of user in regard to the equipment, elevation above water	Predictable misuse	Partial risk related to water environment	Final risk	Protection aims standard/ regulation
E	Adults and children's boats; rowing boats of near oval shape with or without transom; canoes, kayaks; tender boats to yachts	Pools; sea, shore or close to shore; rivers; lakes	Children, adults	Paddling, rowing, sail, engine Passive and active use by hand, drifting; third party (towing)	Inside the boat	Overload; use by non-swim-mers; wave riding	Drifting away; capsizing; entrapment; lack of supervision in case of child use	DROWNING	This document closes the gap between the ISO 6185 series and the EN 71 series