Incorporation of ISO standards into Japanese Boat Safety Regulations

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Maritime Bureau
Ministry of Land, Infrastructure and Transport
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13 standards (machinery matters, mainly) were incorporated into Japanese Boat Safety Regulations

Exercise for comparison between ISO standards and Japanese Boat Safety Regulations

40 ISO standards (including FDIS) have been incorporated into Japanese Boat Safety Regulations

ISO’s action

ISO standards on construction, stability etc. were issued

Japan’s efforts

Detailed technical examination has resulted in the incorporation of a number of ISO standards into Japanese Boat Safety Regulations.
Benefits from the exercise

The number of ISO standards incorporated into Japanese Boat Safety Regulations increased from 13 to 40

Major elements of small craft (construction, stability and drainage equipments etc.) have been covered

- Increase options of design of boats
- Smooth import of boats

Machinery, mainly

Significant expansion of the coverage
List of ISO standards incorporated into Japanese Boat Safety Regulations (1)

ISO10088(2001)  Small craft – Permanently installed fuel systems and fixed fuel tanks
ISO13591(1997)  Small craft – Portable fuel systems for outboard motors
ISO8469(2006)  Small craft – Non-fire-resistant fuel hoses
ISO21487(2006)  Small craft – Permanently installed petrol and diesel fuel tanks
ISO11105(1997)  Small craft – Ventilation of petrol engine and/or petrol tank compartments
  - Part 1: Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate
  - Part 2: Materials: Core materials for sandwich construction, embedded materials
  - Part 3: Materials: Steel, aluminium alloys, wood, other materials
ISO/FDIS12215-5  Small craft - Hull construction and scantling
  - Part 5: Design pressures, design stresses, scantling determination
ISO/FDIS12215-6  Small Craft - Hull construction and scantlings
  - Part 6: Structural arrangements and details
List of ISO standards incorporated into Japanese Boat Safety Regulations (2)

  – Strength and watertightness requirements
ISO11592(2001) Small craft less than 8 m length of hull – Determination of maximum propulsion power rating
  - Part 1: Non-sailing boats of hull length greater than or equal to 6 m
  - Part 3: Boats of hull length less than 6 m
ISO9094-1(2003) Small craft – Fire protection – Part 1: Craft with a hull length of up to and including 15 m
ISO14946(2001) Small craft – Maximum load capacity
ISO9775(1990) Small craft – Remote steering systems for single outboard motors of 15 kW to 40 kW power

Note: ISO standards incorporated into Japanese Boat Safety Regulations in 1998 are in red.