BUREAU OF INDIAN STANDARDS

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A G E N D A

Name of the Committee	No. of Meeting	Date and Time	Day	Venue
Shipbuilding Sectional Committee, TED 17	**Twenty Eighth**	**08 October 2024** **10 30 AM** **To** **01 30 PM**	**Tuesday**	**Virtual Meeting**

Chairman: Shri S Renganathan **Member Secretary:** Mohammad Tausif

ITEM 0 WELCOME ADDRESS AND OPENING REMARKS

0.1 Welcome address by member secretary

0.2 Opening remarks by the Chairman

0.3 Opening remarks by Head (TED)

ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

The minutes of the last meeting (27th meeting) of the Shipbuilding Sectional Committee, TED 17 held on 14 March 2024 were circulated vide mail dated 17 May 2024. Last date to send comments was 16 June 2024. No comments have been received.

The committee may approve the minutes.

ITEM 2 COMPOSITION OF THE SECTIONAL COMMITTEE

2.1 The participation of the organization in the previous meetings and information regarding their contribution is given as annex 1.

The committee may please note.

2.2 The Committee may suggest means for identification and involvement of talent available in the country related to the subject dealt by the committee and methodology to involve them in the proceedings of the Committee. The Committee may also suggest means and ways to enhance the participation of the members in Committee work through participation in the meeting or sending comments on the documents.

ITEM 3 RESEARCH PROJECTS TO BE TAKEN UP FOR INCLUSION OF EMPIRICAL DATA AND INSIGHTS

The R&D projects for "Study of thermal and acoustic insulation materials for use on-board ships" was allocated to National Institute of Technology, Jalandhar on 28 June 2024. The duration of the project was 90 days i.e 27 Sep. 2024.

The progres report (view attached report) of the project was submitted by the project leader Dr Ravi Verma on dt. 17 Sep. 2024. The project leader requested for the extension of two months i.e. 60 days for the completion of projects and informed the reason for the delay and justification for the timeline extension.

The committee may accept the progress report of the project and approve the 60 days extension for the project completion. .

ITEM 4 MEASURES TO ENSURE EFFECTIVE PARTICIPATION BY THE INDIAN EXPERTS AT ISO/IEC LEVELS

The committee may suggest ways and means to increase participation of Indian experts in ISO technical committees [See Item No. 12].

ITEM 5 CREATION OF POOL OF EXPERTS

The committee may suggest names of experts related to different product segments/ areas under the sectional committee who can contribute towards standardization/ give inputs or can be part of a panel/ working group formed to review and revise a Indian Standard/ group of Indian Standards.

1- An email dt. 05 Aug 2024 was received for the membership of the TED 17 committee. Shri Anand M. Hiremath having experience in the field of Environment Social Governance (ESG), Health Safety and Environment, Occupational and Environmental Risk Assessment, Management of Hazardous Wastes, Green Buildings/ Sustainable Development, Circular Economy & Cleaner Technologies in Ship Recycling, GHG estimation and verification, Carbon Foot- Printing of Ports (see attachment) etc.

He has keen interest in being a part of the ISO Technical Committee in BIS as an external expert towards development of Ship Recycling Standards.

The committee may please deliberate on the nomination of expert.

ITEM 6 DRAFT INDIAN STANDARD UNDER WIDE CIRCULATION

6.1 Doc no. TED 17 (26180) Ships and marine technology Ship design General guidance on emergency towing procedures (Identical To: ISO 16548: 2012).

Doc no. TED 17 (26180) was circulated as a wide circulation via portal dated 19 July 2024. Last date to send comments was 18 August 2024. No comments have been received.

The committee may deliberate and approve the document for finalization.

6.2 Doc no. TED 17 (26178) Ship Recycling Management Systems Diagrams to Show the location of Hazardous Materials Onboard Ships (Identical To: ISO 30006: 2010)

Doc no. TED 17 (26178) was circulated as a wide circulation via portal dated 19 July 2024. Last date to send comments was 18 August 2024. No comments have been received.

The committee may deliberate and approve the document for finalization.

6.3 Doc no. TED 17 (26179) Ships and Marine Technology Measures to Prevent Asbestos Emission and Exposure during Ship Recycling (Identical To: ISO 30007: 2010).

Doc no. TED 17 (26179) was circulated as a wide circulation via portal dated 19 July 2024. Last date to send comments was 18 August 2024. No comments have been received.

The committee may deliberate and approve the document for finalization.

6.4 Doc no. TED 17 (26177) Ships and marine technology Ship Recycling Management Systems Specifications for Management Systems for Safe and Environmentally Sound Ship Recycling Facilities (Identical To: ISO 30000: 2009).

Doc no. TED 17 (26177) was circulated as a wide circulation via portal dated 19 July 2024. Last date to send comments was 18 August 2024. No comments have been received.

The committee may deliberate and approve the document for finalization.

6.5 Doc no. TED 17 (26174) Ships and Marine Technology Assessment of Onboard Cyber Safety (Identical to ISO 23799: 2024).

Doc no. TED 17 (26174) was circulated as a wide circulation via portal dated 19 July 2024. Last date to send comments was 18 August 2024. No comments have been received.

The committee may deliberate and approve the document for finalization.

6.6 Doc no. TED 17 (26176) Ships and Marine Technology Cyber Safety (Identical To: ISO 23806: 2022)

Doc no. TED 17 (26176) was circulated as a wide circulation via portal dated 19 July 2024. Last date to send comments was 18 August 2024. No comments have been received.

The committee may deliberate and approve the document for finalization.

6.7 Doc no. TED 17 (21399) Sheaves used with ships blocks – Specification (Revision of IS 6143: 1971).

Doc no. TED 17 (21399) was circulated as a wide circulation via portal dated 13 May 2024. Last date to send comments was 12 June 2024. No comments have been received.

The committee may deliberate and approve the document for finalization.

6.8 Doc no. TED 17 (24281) Ships and marine technology guidelines for measurement evaluation and reporting of vibration with regard to habitability on specific ships (Identical To: ISO 21984:2018)

Doc no. TED 17 (24281) was circulated as a wide circulation via portal dated 29 November 2023. Last date to send comments was 30 January 2024. No comments have been received.

The committee may deliberate and approve the document for finalization.

6.9 Doc no. TED 17 (22497) Marine Sounding Rods – Specification (Revision of IS 3942: 1966).

Doc no. TED 17 (22497) was circulated as a wide circulation via portal dated 13 May 2024. Last date to send comments was 12 June 2024. No comments have been received.

The committee may deliberate and approve the document for finalization.

ITEM 7 STANDARDS TAKEN FOR REVIEW DURING 2024 – 2025.

The standards mentioned in the below table have been taken for review for the current year 2024-25. The initial review of the referred standard was done by TED. The ARP performa filled on the BIS portal was forward to the committee members for their comments.

These Documents circulated with ARP Performa to the committee members for comment and also forwarded via email dated 29 August 2024:

IS No.	Standards Title	Committee Inputs
IS 6180: 1989	Toughened Safety Glasses for Ships Round Windows	
IS 9422: 1989	Symbols for ships bulbous bow and side thruster	
IS 15846: 2010	Anchors – Specification	
IS 16234: 2015	Ships and marine technology embarkation ladders - Specification	

ITEM 8 INTERNATIONAL ACTIVITIES

8.1 BIS membership of ISO Technical Committees and subcommittees relevant to scope of Shipbuilding Sectional Committee TED 17, are given below:

Sl No.	ISO Committee/ Sub Committee	Title	Type of member ship	Details (Date and Place) of meeting
1	ISO/ TC 8	Shipbuilding and Marine Structure	P	• 21-25 October 2024 Haeyang-ro (Korea, Republic of) • 28-02 April-May 2025 Copenhagen (Denmark)
2	ISO/ TC 8/ SC 8	Ship Design	P	• 21-25 October 2024 Haeyang-ro (Korea, Republic of)

The committee may please note.

8.2 Closer Examination of the New Work Items Proposals Received From ISO

Following new proposals have been received from ISO. The committee may please deliberate on participation.

NEW PROPOSALS

Committee / Working Group	DOC No.	Title
ISO/TC 8	ISO/NP 25283-1	Ships and marine technology — Hopper Load Measurement System
ISO/TC 8	ISO/NP 25284	Ships and marine technology — Hopper Load Measurement System
ISO/TC 8/SC 4	ISO/NP 25415	Ships and marine technology — Design requirements for windlasses and winches for low temperature operation
ISO/TC 8/SC 4	ISO/NP 25416	Ships and marine technology — Jacking system appliance on self-elevating unit — Safety protection
ISO/TC 8/SC 4	ISO/NP 25419	Ships and marine technology — Ship's mooring and towing fittings — Double cruciform bollards

COMMITTEE DRAFTS

Committee / Working Group	DOC No.	Title
ISO/TC 8/SC 3	ISO/CD 21341	Ships and marine technology — Test procedures for liquid hydrogen valve of hydrogen ships
ISO/TC 8/SC 12	ISO/CD TS 23099	Large Yachts — A methodologic framework to assess large yachts (30m+) on their environmental performance / credentials

8.3 The list of working groups/ panels with their titles under technical committee ISO/ TC 8 and its subcommittees ISO/ TC 8/ SC 2, ISO/ TC 8/ SC 3, ISO/ TC 8/ SC 4, ISO/ TC 8/ SC 8, ISO/ TC 8/ SC 11 and ISO/ TC 8/ SC 12 is given as annex 2 and annex 3.

The committee may please note.

8.4 Committee members who wish to participate in sub-committee/ working group meetings are requested to forward their names, indicating the field of their expertise, to sectional committee for consideration. After the due procedure they will be listed as experts in ISO global directory and can participating in working group meetings and contribute in international standardization work. The Committee may also deliberate and give its suggestions for improving participation in the ISO committees/ sub-committees.

8.5 India is receiving the New Work Item Proposals, Committee Draft, Draft International Standards and Finalized Draft International Standards etc. from ISO committees and sub-committees. Where ever India is `P' member, it is obligatory on the part of India to vote on all the proposals. Presently BIS circulates ISO documents/ proposals to all the committee members of TED 2 through Email for eliciting technical comments. It is very important to send feedback to safe guard the Indian interest. So it is requested to send feedback without fail at least on adopted

ISO standards. Based on the feedback received from members, India's ballot is cast.

The committee may please note.

ITEM 9 ANY OTHER BUSINESS

ITEM 10 DATE AND PLACE FOR THE NEXT MEETING

ANNEX 1

COMPOSITION OF SHIPBUILDING SECTIONAL COMMITTEE, TED 17

SCOPE: Standardization work relating to ships and their systems-accessories and fittings (other than main propulsive machinery) performance, testing, terminology, codes of practice, marine environment, ship management and quality assurance, off-shore.
a) Co-ordination of work with ISO/TC 8 and its relevant sub-committees ISO/TC 8/SC 2, ISO/TC 8/SC 3, ISO/TC 8/SC 4, ISO/TC 8/SC 8, ISO/TC 8/SC 11 and ISO/TC 8/SC 12.

Co-ordination of work with ISO/TC 8 and it relevant subcommittees.

25th Meeting	**28 July 2022**	**Webex (Virtual)**
26th Meeting	**27 June 2023**	**Mumbai**
27th Meeting	**14 March 2024**	**Webex (Virtual)**

S. No	Name of The Organization	Represented Principal, (Alternate) Young professional (YP)	Status				
			25th	26th	27th		
1.	Indian Register of Shipping, Mumbai	Shri C R Venugopal (CHAIRMAN)	Y	Y	Y	3/3	G
2.	Bureau Veritas India Private Limited, Noida	Shri Rajan S. Vardhan	N	N	N	0/3	
3.	Cochin Shipyard Ltd, Cochin	Shri Hari krishnan S (Shri Deepu Surendran)	N	N	N	0/3	I
4.	Cochin University of Science and Technology, Department of Ship Technology, Cochin	Dr. K Sivaprasad (Shri A Mathiazhagan)	Y	N	N	1/3	T
5.	Directorate General of Quality Assurance, New Delhi	Shri Moninder Pal Singh Azrot (Shri SM Bhosale)	Y	N	N	1/3	G
6.	Directorate General of Shipping, Mumbai	Shri Suresh Kumar (Shri Aji Vasudevan)	NA	N	N	0/2	
7.	Directorate of Marine Engineering, Naval Headquarters, New Delhi	Capt. C S Baburaj	NA	NA	N	0/1	
8.	Directorate of Naval Architecture, Naval Head Quarters, New Delhi	Capt. Sujit Baxi (Shri Pankaj Grover) Shri Himanshu Sharma (YP)	Y	N	N	1/3	G
9.	Garden Reach Shipbuilders and Engineers Ltd., Kolkata	Capt. Jagmohan (Shri Sajal Sengupta) Shri Sanjeev Kumar (YP)	N	N	N	0/3	I
10.	Goa Shipyard Ltd, Goa	Shri Santosh Kumar Singh (Shri Fabian Savio Rodrigues)	N	N	N	0/3	I
11.	Govardhan Das P.A., Kolkata	Shri J R Aggarwal (Shri Sanjay Raj Aggarwal) Shri Rohan Aggarwal (YP)	Y	Y	N	2/3	I

S. No	Name of The Organization	Represented Principal, (Alternate) Young professional (YP)	Status				
			25th	26th	27th		
12.	Hindustan Shipyard Ltd, Visakhapatnam	Shri Y Shivramakrishnan (Shri Mellamu Ashok Sravya) Shri Karanam Sravya (YP)	Y	N	Y	2/3	I
13.	Indian Chain Pvt. Ltd, Kolkata	Shri Pradip Chitlangia (Shri Rohan Chitlangia)	N	Y	Y	2/3	I
14.	Indian Institute of Technology, Kharagpur	Shri Prasad Kumar Bhaskaran	N	N	N	0/3	T
15.	Indian Institute of Technology Chennai	Shri P Krishnankutty (Shri R Vijaya Kumar) Shri Suresh Rajendran (YP)	N	N	N	0/3	T
16.	Indian Maritime University IMU, Visakhapatnam	Shri Sheeja Janardhanan (Shri Avinash Godey)	Y	N	Y	2/3	T
17.	Indian National Ship-owners Association, Mumbai	Shri Mayank Awasthi (Shri Sunil Kumar)	N	Y	N	1/3	OB
18.	Indian Register of Shipping, Mumbai	Shri N Girish (Shri S Renganathan) (Shri Praveen Narayan Dhore)	N	Y	Y	2/3	G
19.	Institute of Marine Engineers (India), Mumbai	Shri Rajeev Nayyer (Shri Bhupesh Tater)	N	N	Y	1/3	T
20.	L & T Shipbuilding Limited, Chennai	Capt. K J H Christie (Cdr. Kamal Kanagat)	N	N	N	0/3	I
21.	Shipyard Association of India, New Delhi	Shri Sanjeev Walia	Y	N	Y	2/3	OB
22.	Shoft Shipyard Pvt. Ltd., Thane	Shri Sahayraj (Shri Daniel Joseph Britto) Shri P Ganesh Kumar (YP)	NA	N	N	0/2	I
23.	The Great Eastern Shipping Co. Ltd, Mumbai	Shri Anjan Kumar Sahu	Y	Y	Y	3/3	OB
24.	The Shipping Corporation of India Ltd, Mumbai	Shri Vikram Dingley (Shri N K Tripathi)	N	N	Y	1/3	OB
25.	Titagarh Wagons Limited, Kolkata	Shri Vineet Shrivastava	NA	N	N	0/2	I
26.	Warship Design Bureau, New Delhi	Mr. M K Joseph Lt. Comd. Paul S Moses (YP)	NA	NA	N	0/1	

ANNEX 2

LIST OF WORKING GROUPS/ PANEL

ISO/ TC 8 SHIPS AND MARINE TECHNOLOGY

Reference	Title	Name of Expert
ISO/TC 8/AG 1	Chair's Advisory Group	
ISO/TC 8/WG 3	Special offshore structures and support vessels	
ISO/TC 8/WG 4	Maritime security	
ISO/TC 8/WG 6	Ship recycling	
ISO/TC 8/WG 8	Liquid and gas fueled vessels	
ISO/TC 8/WG 10	Smart shipping	
ISO/TC 8/WG 11	Dredgers	
ISO/TC 8/WG 12	Aquatic nuisance species	
ISO/TC 8/WG 14	Maritime education and training	
ISO/TC 8/WG 15	Ocean Negative Carbon Emissions and Carbon Neutrality (ONCE-CN)	

ISO/ TC 8/ SC 2 — MARINE ENVIRONMENT PROTECTION

Reference	Title	Name of Expert
ISO/TC 8/SC 2/WG 3	Environmental response	
ISO/TC 8/SC 2/WG 4	Management of ship waste	
ISO/TC 8/SC 2/WG 5	Anti-fouling systems on ships	
ISO/TC 8/SC 2/WG 10	Exhaust gas cleaning systems	
ISO/TC 8/SC 2/WG 11	Ships' energy efficiency data collection	
ISO/TC 8/SC 2/WG 12	Marine liquefied hydrogen transfer arms	
ISO/TC 8/SC 2/WG 13	In-water cleaning of ship's biofouling	
ISO/TC 8/SC 2/WG 14	Ship environmental data quality management	

ISO/ TC 8/ SC 3 — PIPING AND MACHINERY

Reference	Title	Name of Expert
ISO/TC 8/SC 3/AHG 1	Roadmap for eco-friendly ship standards	
ISO/TC 8/ SC 3/WG 7	Heating, ventilation and air conditioning	
ISO/TC 8/SC 3/WG 10	Ship Utilities in Port	
ISO/TC 8/SC 3/WG 17	Remote shutdown systems	
ISO/TC 8/SC 3/WG 18	Drain facilities for oil and water tanks	
ISO/TC 8/SC 3/WG 19	Alternative fuels machinery systems and components	

ISO/ TC 8/ SC 4 — OUTFITTING AND DECK MACHINERY

Reference	Title	Name of Expert
ISO/TC 8/SC 4/WG 2	Deck machinery	
ISO/TC 8/SC 4/WG 3	Outfitting	
ISO/TC 8/SC 4/WG 4	Ship's mooring and towing fittings	
ISO/TC 8/SC 4/WG 6	Marine lifting appliances	
ISO/TC 8/SC 4/WG 7	Marine cargo securing devices	
ISO/TC 8/SC 4/WG 11	Marine equipment with Hi-Mn steel for cryogenic temperature	

ISO/ TC 8/ SC 8 — SHIP DESIGN

Reference	Title	Name of Expert
ISO/TC 8/SC 8/AHG 1	Strategic development plan	
ISO/TC 8/SC 8/WG 14	Propulsion system	
ISO/TC 8/SC 8/WG 17	LNG tanks	
ISO/TC 8/SC 8/WG 28	Cabin system	
ISO/TC 8/SC 8/WG 29	Wire rope lifting platform	
ISO/TC 8/SC 8/WG 32	Alternative fuels for maritime sector	
ISO/TC 8/SC 8/WG 33	Hybrid propulsion system	
ISO/TC 8/SC 8/WG 34	Painting	

ISO/ TC 8/ SC 11 INTERMODAL AND SHORT SEA SHIPPING

Reference	Title	Name of Expert
ISO/TC 8/SC 11/WG 2	Maritime operational data model	
ISO/TC 8/SC 11/WG 3	Software-based PMS	

ISO/ TC 8/ SC 12 — SHIPS AND MARINE TECHNOLOGY - LARGE YACHTS

Reference	Title	Name of Expert
ISO/TC 8/SC 12/AHG 1	New Deliverables	
ISO/TC 8/SC 12/AHG 3	IMO Communications	
ISO/TC 8/SC 12/CAG 1	Chair's Advisory Group	
ISO/TC 8/SC 12/WG 2	Safety and hull integrity	
ISO/TC 8/SC 12/WG 3	Equipment	
ISO/TC 8/SC 12/WG 5	Quality assessment and acceptance criteria	
ISO/TC 8/SC 12/WG 6	Environment and sustainability	

ANNEX 3

ISO/TC 8 Ships and Marine Technology (Published)

S. No.	ISO No.	Title
1.	ISO 3725:2023	Ships and marine technology — Aquatic nuisance species — Methods for evaluating the performance of compliance monitoring devices for ballast water discharges
2.	ISO 11711-1:2019	Ships and marine technology — Aquatic nuisance species — Part 1: Ballast water discharge sample port
3.	ISO 11711-2:2022	Ships and marine technology — Aquatic nuisance species — Part 2: Ballast water sample collection and handling
4.	ISO 15849:2001	Ships and marine technology — Guidelines for implementation of a fleet management system network
5.	ISO 15849:2001/Amd 1: 2003	Ships and marine technology — Guidelines for implementation of a fleet management system network — Amendment 1
6.	ISO 20519:2021	Ships and marine technology — Specification for bunkering of liquefied natural gas fuelled vessels
7.	ISO 20661:2020	Ships and marine technology — Cutter suction dredger supervisory and control systems
8.	ISO 20662:2020	Ships and marine technology — Hopper dredger supervisory and control systems
9.	ISO 20663:2020	Ships and marine technology — Grab dredger supervisory and control systems
10.	ISO 21593:2019	Ships and marine technology — Technical requirements for dry-disconnect/connect couplings for bunkering liquefied natural gas
11.	ISO 22547:2021	Ships and marine technology — Performance test procedures for high-pressure pumps in LNG fuel gas supply systems (FGSS) for ships
12.	ISO 22548:2021	Ships and marine technology — Performance test procedures for LNG fuel gas supply systems (FGSS) for ships
13.	ISO 23152:2021	Ships and marine technology — Ballast water management systems (BWMS) — Computational physical modelling and calculations on scaling of UV reactors
14.	ISO 23314-2:2021	Ships and marine technology — Ballast water management systems (BWMS) — Part 2: Risk assessment and risk reduction of BWMS using electrolytic methods
15.	ISO 23780-1:2023	Ships and marine technology — Procedure for testing the performance of continuous monitoring TRO sensors used in ships — Part 1: DPD sensors
16.	ISO 23799:2024	Ships and marine technology — Assessment of onboard cyber safety
17.	ISO 23806:2022	Ships and marine technology — Cyber safety
18.	ISO 23807:2023	Ships and marine technology — General requirements for the asynchronous time-insensitive ship-shore data transmission
19.	ISO/TS 23860:2022	Ships and marine technology — Vocabulary related to autonomous ship systems
20.	ISO 24438:2023	Ships and marine technology — Maritime education and training — Maritime career guidance
21.	ISO 28004-2:2014	Security management systems for the supply chain — Guidelines for the implementation of ISO 28000 — Part 2: Guidelines for adopting ISO 28000 for use in medium and small seaport operations
22.	ISO 28007-1:2015	Ships and marine technology — Guidelines for Private Maritime Security

S. No.	ISO No.	Title
		Companies (PMSC) providing privately contracted armed security personnel (PCASP) on board ships (and pro forma contract) — Part 1: General
23.	ISO 29400:2020	Ships and marine technology — Offshore wind energy — Port and marine operations
24.	ISO 29404:2015	Ships and marine technology — Offshore wind energy — Supply chain information flow
25.	ISO 30000:2009	Ships and marine technology — Ship recycling management systems — Specifications for management systems for safe and environmentally sound ship recycling facilities
26.	ISO 30002:2012	Ships and marine technology — Ship recycling management systems — Guidelines for selection of ship recyclers (and pro forma contract)
27.	ISO 30003:2009	Ships and marine technology — Ship recycling management systems — Requirements for bodies providing audit and certification of ship recycling management
28.	ISO 30004:2012	Ships and marine technology — Ship recycling management systems — Guidelines for the implementation of ISO 30000
29.	ISO 30005:2012	Ships and marine technology — Ship recycling management systems — Information control for hazardous materials in the manufacturing chain of shipbuilding and ship operations
30.	ISO 30006:2010	Ship recycling management systems — Diagrams to show the location of hazardous materials onboard ships
31.	ISO 30007:2010	Ships and marine technology — Measures to prevent asbestos emission and exposure during ship recycling

ISO/TC 8 Ships and Marine Technology (Under Development)

S. No.	ISO No.	Title
1.	ISO/PRF 4891	Ships and marine technology — Interoperability of smart applications for ships
2.	ISO/DIS 7613	Ships and marine technology — Hopper dredger — Trailing suction tube position monitoring system
3.	ISO/DIS 8933-1	Ships and marine technology — Energy efficiency — Part 1: Energy efficiency of individual maritime components
4.	ISO/FDIS 8933-2	Ships and marine technology — Energy efficiency — Part 2: Energy efficiency of maritime functional systems
5.	ISO/CD 16259	Ships and marine technology — Performance test procedures of LNG BOG re-liquefaction system on board a ship
6.	ISO/CD 18131	Ships and marine technology — General requirements for publish-subscribe architecture on ship-shore data communication
7.	ISO/CD 21154	Ships and marine technology--Boil-off-Rate Measurement Method for Cargo Containment System of LNG Ship
8.	ISO/AWI 22120	Ships and marine technology — Specification for bunkering of methanol fuelled vessels
9.	ISO/AWI 23817	Ships and marine technology — Ballast water management systems (BWMS)--Commissioning testing procedures for BWMS using electrolytic methods
10.	ISO/AWI 30002	Ships and marine technology — Ship recycling management systems — Guidelines for selection of ship recyclers (and pro forma contract)
11.	ISO/DIS 30005	Ships and marine technology — Ship recycling management —

		Information control for hazardous materials in the manufacturing chain of shipbuilding and ship operations
12.	ISO/AWI 30006	Ship recycling management systems — Diagrams to show the location of hazardous materials onboard ships

ISO/TC 8/SC 2 Marine Environment Protection (Published)

S. No.	ISO No.	Title
1.	ISO 13073-1:2012	Ships and marine technology - Risk assessment on anti-fouling systems on ships — Part 1: Marine environmental risk assessment method of biocidally active substances used for anti-fouling systems on ships
2.	ISO 13073-2:2013	Ships and marine technology — Risk assessment on anti-fouling systems on ships — Part 2: Marine environmental risk assessment method for anti-fouling systems on ships using biocidally active substances
3.	ISO 13073-3:2016	Ships and marine technology — Risk assessment on anti-fouling systems on ships — Part 3: Human health risk assessment method of biocidally active substances used in anti-fouling paints on ships during the application and removal processes
4.	ISO 13617:2019	Ships and marine technology — Shipboard incinerators — Requirements
5.	ISO 16165:2020	Ships and marine technology — Marine environment protection — Vocabulary relating to oil spill response
6.	ISO 16304:2018	Ships and marine technology — Marine environment protection — Arrangement and management of port waste reception facilities
7.	ISO 16446:2013	Ships and marine technology — Marine environment protection — Adapter for joining dissimilar boom connectors
8.	ISO 17325-1:2014	Ships and marine technology — Marine environment protection — Oil booms — Part 1: Design requirements
9.	ISO 17325-2:2014	Ships and marine technology — Marine environment protection — Oil booms — Part 2: Strength and performance requirements
10.	ISO 17325-3:2018	Ships and marine technology — Marine environment protection — Oil booms — Part 3: End connectors
11.	ISO 17325-4:2018	Ships and marine technology — Marine environment protection — Oil booms — Part 4: Auxiliary equipment
12.	ISO 18309:2014	Ships and marine technology — Incinerator sizing and selection — Guidelines
13.	ISO 18611-1:2014	Ships and marine technology — Marine NOx reduction agent AUS 40 — Part 1: Quality requirements
14.	ISO 18611-2:2014	Ships and marine technology — Marine NOx reduction agent AUS 40 — Part 2: Test methods
15.	ISO 18611-3:2014	Ships and marine technology — Marine NOx reduction agent AUS 40 — Part 3: Handling, transportation and storage
16.	ISO 19030-1:2016	Ships and marine technology — Measurement of changes in hull and propeller performance — Part 1: General principles
17.	ISO 19030-2:2016	Ships and marine technology — Measurement of changes in hull and propeller performance — Part 2: Default method
18.	ISO 19030-3:2016	Ships and marine technology — Measurement of changes in hull and propeller performance — Part 3: Alternative methods
19.	ISO 20053:2017	Ships and marine technology — Marine environment protection — Specifications on design and selection of sorbents

S. No.	ISO No.	Title
20.	ISO 20083-2:2019	Ships and marine technology — Determination of the shaft power of ship propulsion systems by measuring the shaft distorsion — Part 2: Optical reflection method
21.	ISO 20083-3:2019	Ships and marine technology — Determination of the shaft power of ship propulsion systems by measuring the shaft distorsion — Part 3: Elastic vibration method
22.	ISO 21070:2017	Ships and marine technology — Marine environment protection — Management and handling of shipboard garbage
23.	ISO 21070:2017/Amd 1:2022	Ships and marine technology — Marine environment protection — Management and handling of shipboard garbage — Amendment 1: Updates to classification of garbage
24.	ISO 21072-2:2020	Ships and marine technology — Marine environment protection: performance testing of oil skimmers — Part 2: Light and medium viscosity oil
25.	ISO 21072-3:2020	Ships and marine technology — Marine environment protection: performance testing of oil skimmers — Part 3: High viscosity oil
26.	ISO 21716-1:2020	Ships and marine technology — Bioassay methods for screening anti-fouling paints — Part 1: General requirements
27.	ISO 21716-2:2020	Ships and marine technology — Bioassay methods for screening anti-fouling paints — Part 2: Barnacles
28.	ISO 21716-3:2020	Ships and marine technology — Bioassay methods for screening anti-fouling paints — Part 3: Mussels
29.	ISO 21963:2020	Ships and marine technology — Marine environment protection — Tanks and piping systems for facilitating 5 ppm oil-water separation
30.	ISO 23048:2018	Ships and marine technology — Verification method for portable power measurement using a strain gauge
31.	ISO 23668:2022	Ships and marine technology — Marine environment protection — Continuous on-board pH monitoring method
32.	ISO 23765:2021	Ships and marine technology — Marine environment protection — Specification for collecting data on ship's fuel oil consumption

ISO/TC 8/SC 2 Marine Environment Protection (Under Development)

S. No.	ISO No.	Title
1.	ISO/WD 6319	Ships and marine technology — Marine environment protection — Performing and documenting in-water cleaning of ships' biofouling
2.	ISO/CD 20679	Ships and marine technology — Marine environment protection — Testing ship biofouling in-water cleaning systems
3.	ISO/AWI 21070	Ships and marine technology — Marine environment protection — Management and handling of shipboard garbage
4.	ISO/WD 21716-4	Ships and marine technology — Bioassay methods for screening anti-fouling paints — Part 4: Algae
5.	ISO/AWI 23656	Ships and marine technology — Marine environment protection — General requirements of data quality management for ship environmental index
6.	ISO/AWI 23765	Ships and marine technology — Marine environment protection — Specification for collecting data on ship's fuel oil consumption
7.	ISO 24132	Ships and marine technology — Design and testing of marine transfer arms for liquefied hydrogen
8.	ISO/FDIS 24146-1	Ships and marine technology — Shipboard waste on inland navigation vessels — Part 1: On board management and handling

9.	ISO/AWI 24146-2.2	Ships and marine technology — Shipboard waste on inland navigation vessels — Part 2: Arrangement and management of port waste reception facilities

ISO/TC 8/SC 3 Piping and Machinery (Published)

S. No.	ISO No.	Title
1.	ISO 484-1:2015	Shipbuilding — Ship screw propellers — Manufacturing tolerances — Part 1: Propellers of diameter greater than 2,50 m
2.	ISO 484-2:2015	Shipbuilding — Ship screw propellers — Manufacturing tolerances — Part 2: Propellers of diameter between 0,80 and 2,50 m inclusive
3.	ISO 2412:1982	Shipbuilding — Colours of indicator lights
4.	ISO 3715-1:2002	Ships and marine technology — Propulsion plants for ships — Part 1: Vocabulary for geometry of propellers
5.	ISO 3715-2:2001	Ships and marine technology — Propulsion plants for ships — Part 2: Vocabulary for controllable-pitch propeller plants
6.	ISO 5483:2023	Ships and marine technology — Drain facilities from oil and water tanks
7.	ISO 5620-1:1992	Shipbuilding and marine structures — Filling connection for drinking water tanks — Part 1: General requirements
8.	ISO 5620-2:1992	Shipbuilding and marine structures — Filling connection for drinking water tanks — Part 2: Components
9.	ISO 5621:1984	Shipbuilding — Bilge mud boxes for machinery spaces and tunnels — General design characteristics
10.	ISO 5625:1978	Shipbuilding — Welded bulkhead pieces with flanges for steel pipework — PN 6, PN 10 and PN 16
11.	ISO 6454:1984	Shipbuilding — Strum boxes
12.	ISO 7547:2022	Ships and marine technology — Air-conditioning and ventilation of accommodation spaces and other enclosed compartments on board ships — Design conditions and basis of calculations
13.	ISO 8277:2013	Ships and marine technology — Pipework and machinery — Information transfer
14.	ISO 8861:1998	Shipbuilding — Engine-room ventilation in diesel-engined ships — Design requirements and basis of calculations
15.	ISO 9785:2002	Ships and marine technology — Ventilation of cargo spaces where vehicles with internal combustion engines are driven — Calculation of theoretical total airflow required
16.	ISO 9943:2009	Shipbuilding — Ventilation and air-treatment of galleys and pantries with cooking appliances
17.	ISO 13613:2011	Ships and marine technology — Maintenance and testing to reduce losses in critical systems for propulsion
18.	ISO 14726:2008	Ships and marine technology — Identification colours for the content of piping systems
19.	ISO 15364:2021	Ships and marine technology — Pressure-vacuum valves for cargo tanks and devices to prevent the passage of flame into cargo tanks
20.	ISO 15540:2016	Ships and marine technology — Fire resistance of non-metallic hose assemblies and non-metallic compensators — Test methods
21.	ISO 15541:2016	Ships and marine technology — Fire resistance of non-metallic hose assemblies and non-metallic compensators — Requirements for the test bench

S. No.	ISO No.	Title
22.	ISO 15748-1:2002	Ships and marine technology — Potable water supply on ships and marine structures — Part 1: Planning and design
23.	ISO 15748-2:2002	Ships and marine technology — Potable water supply on ships and marine structures — Part 2: Method of calculation
24.	ISO 15749-1:2004	Ships and marine technology — Drainage systems on ships and marine structures — Part 1: Sanitary drainage-system design
25.	ISO 15749-2:2004	Ships and marine technology — Drainage systems on ships and marine structures — Part 2: Sanitary drainage, drain piping for gravity systems
26.	ISO 15749-3:2004	Ships and marine technology — Drainage systems on ships and marine structures — Part 3: Sanitary drainage, drain piping for vacuum systems
27.	ISO 15749-4:2004	Ships and marine technology — Drainage systems on ships and marine structures — Part 4: Sanitary drainage, sewage disposal pipes
28.	ISO 15749-5:2004	Ships and marine technology — Drainage systems on ships and marine structures — Part 5: Drainage of decks, cargo spaces and swimming pools
29.	ISO 15837:2004	Ships and marine technology — Gasketed mechanical couplings for use in piping systems — Performance specification
30.	ISO 15838:2003	Ships and marine technology — Fittings for use with gasketed mechanical couplings used in piping applications — Performance specification
31.	ISO 15840:2004	Ships and marine technology — Standard specification for thermosetting resin fibreglass pipe and fittings to be used for marine applications
32.	ISO 17602:2014	Ships and marine technology — Metal valves for use in flanged pipe — Face-to-face and centre-to-face dimensions
33.	ISO 18139:2017	Ships and marine technology — Globe valves for use in low temperature applications — Design and testing requirements
34.	ISO 18154:2017	Ships and marine technology — Safety valve for cargo tanks of LNG carriers — Design and testing requirements
35.	ISO 18215:2015	Ships and marine technology — Vessel machinery operations in polar waters — Guidelines
36.	ISO 18770:2005	Ships and marine technology — Machinery-space flammable oil systems — Prevention of leakage of flammable oil
37.	ISO 19037:2019	Ships and marine technology — Gate valves for use in low temperature applications — Design and testing requirements
38.	ISO 19921:2005	Ships and marine technology — Fire resistance of metallic pipe components with resilient and elastomeric seals — Test methods
39.	ISO 19922:2005	Ships and marine technology — Fire resistance of metallic pipe components with resilient and elastomeric seals — Requirements imposed on the test bench
40.	ISO 20602:2019	Ships and marine technology — Check valves for use in low temperature applications — Design and testing requirements
41.	ISO 20602:2019/Amd 1:2021	Ships and marine technology — Check valves for use in low temperature applications — Design and testing requirements — Amendment 1
42.	ISO 21157:2018	Ships and marine technology — Ball valves for use in low temperature applications — Design and testing requirements
43.	ISO 21159:2018	Ships and marine technology — Butterfly valves for use in low temperature applications — Design and testing requirements
44.	ISO 21562:2020	Ships and marine technology — Bunker fuel mass flow meters on receiving vessel — Requirements
45.	ISO 23055:2020	Ships and marine technology — Design requirements for international ballast water transfer connection flange
46.	ISO 23212:2021	Ships and marine technology — Flange connection for fuel and lubrication oil bunkering — Basic dimensions and technical requirements

S. No.	ISO No.	Title
47.	ISO 24224:2022	Ships and marine technology — Tanker cargo manifold shore connection — Technical requirements
48.	ISO 24225:2022	Ships and marine technology — Pneumatic quick-closing control devices
49.	ISO 28520:2009	Ships and marine technology — Lubricating oil systems — Guidance for grades of cleanliness and flushing
50.	ISO 28521:2009	Ships and marine technology — Hydraulic oil systems — Guidance for grades of cleanliness and flushing
51.	ISO 28522:2009	Ships and marine technology — Hydraulic oil systems — Guidance for assembly and flushing
52.	ISO 28523:2009	Ships and marine technology — Lubricating and hydraulic oil systems — Guidance for sampling to determine cleanliness and particle contamination
53.	IEC/IEEE 80005-1:2019	Utility connections in port — Part 1: High voltage shore connection (HVSC) systems — General requirements
54.	IEC/IEEE 80005-1:2019/Amd 1:2022	Utility connections in port — Part 1: High voltage shore connection (HVSC) systems — General requirements — Amendment 1
55.	IEC/IEEE 80005-1:2019/Amd 2:2023	Utility connections in port — Part 1: High voltage shore connection (HVSC) systems — General requirements — Amendment 2
56.	IEC/IEEE 80005-2:2016	Utility connections in port — Part 2: High and low voltage shore connection systems — Data communication for monitoring and control
57.	IEC/PAS 80005-3:2014	Utility connections in port — Part 3: Low Voltage Shore Connection (LVSC) Systems — General requirements

ISO/TC 8/SC 3 Piping and Machinery (Under Development)

S. No.	ISO No.	Title
1.	ISO/DIS 11326	Ships and marine technology — Test procedures for liquid hydrogen storage tank of hydrogen ships
2.	ISO/DIS 17579	Ships and marine technology — Design and testing requirements of pneumatic quick-closing valves
3.	ISO/AWI 21341	Ships and marine technology — Test procedures for liquid hydrogen valve of hydrogen ships
4.	ISO/AWI 23397	Ships and marine technology — Ammonia fuel systems for ships — Vocabulary
5.	IEC/IEEE DIS 80005-3.2	Utility connections in port — Part 3: Low Voltage Shore Connection (LVSC) Systems — General requirements

ISO/TC 8/SC 4 Outfitting and deck machinery (Published)

S. No.	ISO No.	Title
1.	ISO 1704:2022	Ships and marine technology — Stud-link anchor chains

S. No.	ISO No.	Title
2.	ISO 3078:2016	Shipbuilding — Cargo winches
3.	ISO 3730:2012	Shipbuilding and marine structures — Mooring winches
4.	ISO 3828:2008	Shipbuilding and marine structures — Deck machinery — Vocabulary and symbols
5.	ISO 4568:2021	Ships and marine technology — Sea-going vessels — Windlasses and anchor capstans
6.	ISO 4827:2022	Ships and marine technology — Escorting and pull-back system for tankers
7.	ISO 4845:2023	Ships and marine technology — Combined rigging for deep-sea mooring
8.	ISO 4853:2023	Ships and marine technology — A-frame launch and recovery system
9.	ISO 4857:2023	Ships and marine technology — Test procedures and methods for windlasses and winches
10.	ISO 4861:2023	Ships and marine technology — Piling barge winches
11.	ISO 4862:2023	Ships and marine technology — Winches for trailing suction hopper dredger
12.	ISO 4864:2023	Ships and marine technology — Jacking system appliances on self-elevating unit — General requirements
13.	ISO 5528:2023	Ships and marine technology — Deep-sea hydraulic winch equipment
14.	ISO 5540:2023	Ships and marine technology — Sea-going vessels — Dual traction/stowage winches for oceanographic research
15.	ISO 5556:2023	Ships and marine technology — Sea-going vessels — Single-drum winches for oceanographic research
16.	ISO 6043:1985	Shipbuilding and marine structures — Eye and fork assemblies under tension load — Main dimensions
17.	ISO 6044:1985	Shipbuilding and marine structures — Derrick boom heel fittings — Main dimensions
18.	ISO 6045:1987	Shipbuilding and marine structures — Bearings for derrick goosenecks — Assemblies and components
19.	ISO 6115:1988	Shipbuilding — Trawl winches
20.	ISO 6325:1987	Shipbuilding — Cable stoppers
21.	ISO 6482:2017	Shipbuilding — Deck machinery — Warping end profiles
22.	ISO 6555:1988	Shipbuilding — Topping winches
23.	ISO 6812:1983	Roll on/Roll off ship-to-shore connection — Interface between terminals and ships with straight stern/bow ramps
24.	ISO 7365:2012	Shipbuilding and marine structures — Deck machinery — Towing winches for deep sea use
25.	ISO 7824:1986	Shipbuilding and marine structures — Lubrication nipples — Cone and flat types
26.	ISO 7825:2017	Shipbuilding — Deck machinery — General requirements
27.	ISO 8146:1985	Shipbuilding and marine structures — Oval eyeplates

S. No.	ISO No.	Title
28.	ISO 8147:1995	Shipbuilding and marine structures — Derrick rigs and component parts — Vocabulary
29.	ISO 8148:1985	Shipbuilding and marine structures — Derrick boom headfittings — Fixed type
30.	ISO 8314:1987	Shipbuilding and marine structures — Trunnion pieces for span bearings and lead block bearings
31.	ISO 8431:1988	Shipbuilding — Fixed jib cranes — Ship-mounted type for general cargo handling
32.	ISO 9089:2019	Marine structures — Mobile offshore units — Mooring positioning windlasses and winches
33.	ISO 13713:2020	Ships and marine technology — Ship's mooring and towing fittings — Mooring chocks
34.	ISO 13728:2020	Ships and marine technology — Ship's mooring and towing fittings — Panama chocks
35.	ISO 13729:2020	Ships and marine technology — Ship's mooring and towing fittings — Closed chocks
36.	ISO 13733:2020	Ships and marine technology — Ship's mooring and towing fittings — Universal fairleads with upper roller
37.	ISO 13742:2020	Ships and marine technology — Ship's mooring and towing fittings — Universal fairleads without upper roller
38.	ISO 13755:2020	Ships and marine technology — Ship's mooring and towing fittings — Steel rollers
39.	ISO 13767:2020	Ships and marine technology — Ship's mooring and towing fittings — Shipside roller fairleads
40.	ISO 13776:2020	Ships and marine technology — Ship's mooring and towing fittings — Pedestal fairleads
41.	ISO 13795:2020	Ships and marine technology — Ship's mooring and towing fittings — Welded steel bollards for sea-going vessels
42.	ISO 13797:2020	Ships and marine technology — Ship's mooring and towing fittings — Cruciform bollards
43.	ISO 13798:2020	Ships and marine technology — Ship's mooring and towing fittings — Recessed bitts (steel plate type)
44.	ISO 13799:2020	Ships and marine technology — Ship's mooring and towing fittings — Recessed bitts (casting type)
45.	ISO 16855:2013	Ships and marine technology — Loose gear of lifting appliances on ships — General requirements
46.	ISO 16856:2013	Ships and marine technology — Loose gear of lifting appliances on ships — Hooks
47.	ISO 16857:2013	Ships and marine technology — Loose gear of lifting appliances on ships — Shackles
48.	ISO 16858:2013	Ships and marine technology — Loose gear of lifting appliances on ships — Pulleys
49.	ISO 17357-1:2014	Ships and marine technology — Floating pneumatic rubber fenders — Part 1: High pressure
50.	ISO 17357-2:2014	Ships and marine technology — Floating pneumatic rubber fenders — Part 2: Low pressure
51.	ISO 17905:2015	Ships and marine technology — Installation, inspection and maintenance of container securing devices for ships
52.	ISO 17907:2014	Ships and marine technology — Single point mooring arrangements for conventional tankers

S. No.	ISO No.	Title
53.	ISO 18289:2014	Ships and marine technology — Navigation and shallow-water engineering vessels — Anchor winches
54.	ISO 18296:2014	Ships and marine technology — Ship-shifting winches
55.	ISO 19354:2016	Ships and marine technology — Marine cranes — General requirements
56.	ISO 19355:2016	Ships and marine technology — Marine cranes — Structural requirements
57.	ISO 19356:2016	Ships and marine technology — Marine cranes — Test specifications and procedures
58.	ISO 19357:2016	Ships and marine technology — Marine cranes — Design requirements for low temperature operation
59.	ISO 19360:2016	Ships and marine technology — Marine cranes — Technical requirements for rigging applications
60.	SO 20438:2017	Ships and marine technology — Offshore mooring chains
61.	ISO 21125:2019	Ships and marine technology — Marine cranes — Manufacturing requirements
62.	ISO 21130:2019	Ships and marine technology — Major components of emergency towing arrangements
63.	ISO 21131:2019	Ships and marine technology — Marine cranes — Noise limits and measuring method
64.	ISO 21132:2019	Ships and marine technology — Marine cranes — Operation and maintenance requirements
65.	ISO 21539:2019	Ships and marine technology — Testing specification for walkways using electrical resistance trace heating
66.	ISO 21711:2019	Marine structures — Mobile offshore units — Chain wheels
67.	ISO 21885:2019	Ships and marine technology — Testing specification for stairsteps using electrical resistance trace heating
68.	ISO 22419:2019	Ships and marine technology — Testing specification for handrails using electrical resistance trace heating
69.	ISO 23113:2020	Ships and marine technology — Ship's mooring and towing fittings — Seats for closed chocks
70.	ISO 23115:2020	Ships and marine technology — Ship's mooring and towing fittings — Seats for mooring chocks
71.	ISO 23116:2020	Ships and marine technology — Ship’s mooring and towing fittings — Seats for Panama chocks
72.	ISO 23575:2022	Ships and marine technology — Marine securing devices for ro-ro cargoes
73.	ISO 23577:2021	Ships and marine technology — Cargo securing systems on ships — Vocabulary
74.	ISO 24041:2020	Ships and marine technology — Shark jaws and towing pins
75.	ISO 24042:2020	Liquid cargo handling equipment — Crude oil offloading system —Tandem mooring winches
76.	ISO 24043:2020	Marine structures — Crude oil offloading systems — Hose reels
77.	ISO 24044:2020	Ships and marine technology — Deck machinery — Multifunctional manipulator
78.	ISO 24045:2021	Ships and marine technology — Adjustable roller-type chain stoppers

S. No.	ISO No.	Title
79.	ISO 24059:2021	Ships and marine technology — Anchor chain releasers
80.	ISO 24061:2021	Ships and marine technology — High holding power balance anchors

ISO/TC 8/SC 4 Outfitting and deck machinery (Under Development)

S. No.	ISO No.	Title
1.	ISO/DIS 6325	Ships and marine technology — Cable stoppers
2.	ISO/DIS 16123	Ships and marine technology — Marine cranes — Slewing bearings
3.	ISO/DIS 16173	Ships and marine technology — Jacking system appliances on self-elevating unit — Rack pinion leg fixation system
4.	ISO/DIS 16199	Ships and marine technology — Jacking system appliances on self-elevating unit — Acceptance tests
5.	ISO/CD 18735	Ship and marine technology — Hi-manganese austenitic steel — Specification of high manganese austenitic steel castings for cryogenic temperature
6.	SO/CD 18741	Ship and marine technology — Hi-manganese austenitic steel — Specification of high manganese austenitic steel forgings for cryogenic temperature
7.	ISO/CD 18742	Ship and marine technology — Hi-manganese austenitic steel — Specification of high manganese austenitic steel welded fittings for cryogenic temperature
8.	ISO/CD 18760	Ship and marine technology — Hi-manganese austenitic steel — Longitudinally welded high manganese austenitic steel tubes for cryogenic temperature
9.	ISO/CD 18819	Ship and marine technology — Hi-manganese austenitic steel — High manganese austenitic steel for cryogenic temperature
10.	ISO/DIS 18821	Ships and marine technology — Marine combined connecting mooring line
11.	ISO/DIS 18824	Ships and marine technology — Ship's mooring and towing fittings — Horizontal roller fairleads

ISO/TC 8/SC 8 Ships Design (Published)

S. No.	ISO No.	Title
1.	ISO 614:2012	Ships and marine technology — Toughened safety glass panes for rectangular windows and side scuttles — Punch method of non-destructive strength testing
2.	ISO 1751:2012	Ships and marine technology — Ships' side scuttles
3.	ISO 1964:1987	Shipbuilding — Indication of details on the general arrangement plans of ships
4.	ISO 3434:2012	Ships and marine technology — Heated glass panes for ships' rectangular windows
5.	ISO 3796:2023	Ships and marine technology — Clear openings for external single-leaf doors
6.	ISO 3797:2023	Ships and marine technology — Vertical steel ladders
7.	ISO 3902:1990	Shipbuilding and marine structures — Gaskets for rectangular windows and side scuttles
8.	ISO 3903:2012	Ships and marine technology — Ships' ordinary rectangular windows
9.	ISO 3904:1990	Shipbuilding and marine structures — Clear-view screens
10.	ISO 4678:2024	Ships and marine technology — Noise measurement method for HVAC system in accommodation spaces
11.	ISO 4679:2023	Ships and marine technology — Hydraulic performance tests for waterjet propulsion system
12.	ISO 5480:2020	Ships and marine technology — Guardrails for cargo ships
13.	ISO 5572:1987	Shipbuilding and marine structures — Numbering of equipment and structural elements in ships
14.	ISO 5694:2023	Ships and marine technology — Deck covering
15.	ISO 5778:1998	Ships and marine technology — Small weathertight steel hatches
16.	ISO 5779:1987	Shipbuilding — Ordinary rectangular windows — Positioning
17.	ISO 5780:1987	Shipbuilding — Side scuttles — Positioning
18.	ISO 5797:2004	Ships and marine technology — Windows and side scuttles for fire-resistant constructions
19.	ISO 5894:2018	Ships and marine technology — Manholes with bolted covers
20.	ISO 6042:2015	Ships and marine technology — Weathertight single-leaf steel doors
21.	ISO 6050:1987	Shipbuilding — Bulbous bow and side thruster symbols
22.	ISO 6345:1990	Shipbuilding and marine structures — Windows and side scuttles — Vocabulary
23.	ISO 7461:1984	Shipbuilding — Shiplines — Numerical representation of elements of the hull geometry
24.	ISO 7462:1985	Shipbuilding — Principal ship dimensions — Terminology and definitions for computer applications
25.	ISO 9203-1:1989	Shipbuilding — Topology of ship hull structure elements — Part 1: Location of elements

S. No.	ISO No.	Title
26.	ISO 9203-2:1989	Shipbuilding — Topology of ship hull structure elements — Part 2: Description of elements
27.	ISO 9203-3:1989	Shipbuilding — Topology of ship hull structure elements — Part 3: Relations of elements
28.	ISO 9519:2023	Ships and marine technology — Single rungs and rungs for dog-step ladders
29.	ISO 9557:2024	Ships and marine technology — Wire rope lifting platform for inspection
30.	ISO 14409:2011	Ships and marine technology — Ship launching air bags
31.	ISO 15401:2000	Ships and marine technology — Bulk carriers — Construction quality of hull structure
32.	ISO 15402:2000	Ships and marine technology — Bulk carriers — Repair quality of hull structure
33.	ISO 15583:2005	Ships and marine technology — Maritime standards list
34.	ISO 16145-1:2012	Ships and marine technology — Protective coatings and inspection method — Part 1: Dedicated sea water ballast tanks
35.	ISO 16145-2:2012	Ships and marine technology — Protective coatings and inspection method — Part 2: Void spaces of bulk carriers and oil tankers
36.	ISO 16145-3:2012	Ships and marine technology — Protective coatings and inspection method — Part 3: Cargo oil tanks of crude oil tankers
37.	ISO 16145-4:2013	Ships and marine technology — Protective coatings and inspection method — Part 4: Automated measuring method for the total amount of water-soluble salts
38.	ISO 16145-5:2014	Ships and marine technology — Protective coatings and inspection method — Part 5: Assessment method for coating damages
39.	ISO 16155:2006	Ships and marine technology — Computer applications — Shipboard loading instruments
40.	ISO 16548:2012	Ships and marine technology — Ship design — General guidance on emergency towing procedures
41.	ISO 17682:2013	Ships and marine technology — Methodology for ship launching utilizing air bags
42.	ISO 17683:2014	Ships and marine technology — Ceramic weld backing for marine use
43.	ISO 17894:2005	Ships and marine technology — Computer applications — General principles for the development and use of programmable electronic systems in marine applications
44.	ISO 17939:2015	Ships and marine technology — Oil tank hatches
45.	ISO 17940:2015	Ships and marine technology — Hinged watertight doors
46.	ISO 17941:2015	Ships and marine technology — Hydraulic hinged watertight fireproof do
47.	ISO 19636:2019	Ships and marine technology — General requirements for inclinometers used for the determination of trim and list of LNG carriers
48.	ISO 20154:2017	Ships and marine technology — Guidelines on vibration isolation design methods for shipboard auxiliary machinery
49.	ISO 20155:2017	Ships and marine technology — Test method of flow induced in-pipe noise source characteristics for a ship-used pump
50.	ISO 20233-1:2018	Ships and marine technology — Model test method for propeller cavitation noise evaluation in ship design — Part 1: Source level estimation

S. No.	ISO No.	Title
51.	ISO 20233-2:2019	Ships and marine technology — Model test method for propeller cavitation noise evaluation in ship design — Part 2: Noise source localization
52.	ISO 20313:2018	Ships and marine technology — Cathodic protection of ships
53.	ISO 21005:2018	Ships and marine technology — Thermally toughened safety glass panes for windows and side scuttles
54.	ISO 21635:2018	Ships and marine technology — Specification of high manganese austenitic steel used for LNG tanks on board ships
55.	ISO 21984:2018	Ships and marine technology — Guidelines for measurement, evaluation and reporting of vibration with regard to habitability on specific ships
56.	ISO 22098:2020	Ships and marine technology — Full-scale test method for propeller cavitation observation and hull pressure measurement
57.	SO 22987:2020	Ships and marine technology — Laboratory test method for skin friction of antifouling paints by rotating drum
58.	ISO 23120:2022	Ships and marine technology — Graphical symbols for computer-based incident response systems
59.	ISO 23121-1:2019	Ships and marine technology — Inflatable buoyancy support systems against flooding of ships — Part 1: Gas supply system
60.	ISO 23121-2:2019	Ships and marine technology — Inflatable buoyancy support systems against flooding of ships — Part 2: Buoyancy chamber
61.	ISO 23430:2019	Ships and marine technology — Specification of high manganese austenitic steel thin strips used for LNG tanks on board ships
62.	ISO 23453:2022	Ships and marine technology — Guidelines for the design and manufacture of the hub cap with fins for a fixed-pitch marine propeller
63.	ISO 24169:2022	Ships and marine technology — Fireproof watertight hatch covers
64.	ISO 24316:2022	Ships and marine technology — Design and test requirements for steel doors using electrical trace heating
65.	ISO 24319:2022	Ships and marine technology — Design and test requirements for small steel hatches using electrical trace heating
66.	ISO 24681:2023	Ships and marine technology — Fibre-reinforced plastic gratings

ISO/TC 8/SC 8 Ships Design (Under Development)

S. No.	ISO No.	Title
1.	ISO/CD TR 9814	Ships and marine technology - Methods to prevent capsizing during turning of ships with large profile height
2.	ISO/DIS 10665	Ships and marine technology — Ship design — CNG and LNG propulsion system
3.	ISO/AWI 18962	Ships and marine technology — Rechargeable battery systems for electrically propelled ships
4.	ISO/AWI 22627	Ships and marine technology-Painting technical requirements for accommodation interior of passenger ship
5.	ISO/WD 24387	Ships and marine technology — Mechanical property test of PUF (polyurethane foam) for LNG tank onboard ships
6.	ISO/FDIS 24682	Ships and marine technology — Technical requirements for B class fire-resistant compartment systems of composite mineral wool panel

ISO/TC 8/SC 11 Intermodal and Short Sea Shipping (Published)

S. No.	ISO No.	Title
1.	ISO 7255:1985	Shipbuilding — Active control units of ships — Vocabulary
2.	ISO 20858:2007	Ships and marine technology — Maritime port facility security assessments and security plan development
3.	ISO 21745:2019	Electronic record books for ships — Technical specifications and operational requirements
4.	ISO 23323:2021	Ships and marine technology — Specification for software-based planned maintenance systems
5.	ISO 24060-2:2023	Ships and marine technology — Ship software logging system for operational technology — Part 2: Electronic service reports
6.	ISO 24060:2021	Ships and marine technology — Ship software logging system for operational technology
7.	ISO 28005-1:2013	Security management systems for the supply chain — Electronic port clearance (EPC) — Part 1: Message structures
8.	ISO 28005-2:2021	Ships and marine technology — Electronic port clearance (EPC) — Part 2: Core data elements

ISO/TC 8/SC 11 Intermodal and Short Sea Shipping (Under Development)

S. No.	ISO No.	Title
1.	ISO/DIS 28005-1	Ships and marine technology — Electronic port clearance (EPC) — Part 1: Message structures and application programming interfaces
2.	ISO/DIS 28005-3	Ships and marine technology — Electronic port clearance (EPC) — Part 3: Data elements for ship and port operation

ISO/TC 8/SC 12 Ships and Marine Technology - Large Yachts (Published)

S. No.	ISO No.	Title
1.	ISO 11209:2012	Ships and marine technology — Large yachts — Deck crane and access gangways strength requirements
2.	ISO 11336-1:2023	Large yachts — Strength, weather tightness and water tightness of glazed openings — Part 1: Design criteria, materials, framing and testing of independent glazed openings
3.	ISO 11336-2:2020	Large yachts — Strength, weather tightness and water tightness of glazed openings — Part 2: Glazed opening integrated into adjacent structure (elastically bonded to bulkhead or shell) design criteria, structural support, installation and testing
4.	ISO 11336-3:2019	Large yachts — Strength, weather tightness and water tightness of glazed openings — Part 3: Quality assurance, installation and in-service inspection
5.	ISO 11347:2012	Ships and marine technology — Large yachts — Measurement and assessment of the visual appearance of coatings
6.	ISO 14884:2015	Large yachts — Weathertight doors — Strength and weather tightness requirements
7.	ISO 14885:2014	Large yachts — Diesel engines for main propulsion and essential auxiliaries — Safety requirements
8.	ISO 14886:2014	Ships and marine technology — Large yachts — Structural fire protection for FRP yachts

9.	ISO 16556:2014	Large yachts — Deck equipment — Anchoring equipments
10.	ISO 22822:2023	Large yachts — Quality assessment and acceptance criteria — Dynamic positioning on large yachts
11.	ISO 22834:2022	Large yachts — Quality assessment of life onboard — Stabilization and sea keeping
12.	ISO 24482:2023	Large yachts — Navigational bridge visibility

ISO/TC 8/SC 12 Ships and Marine Technology - Large Yachts (Under Development)

S. No.	ISO No.	Title
1.	ISO/DIS 11347	Ships and marine technology — Large yachts — Measurement and assessment of the visual appearance of coatings
2.	ISO/WD TS 23099	Large Yachts — A methodologic framework to assess large yachts (30m+) on their environmental performance / credentials