



**FUTURE
SHIPPING
TEAM**



**BUREAU
VERITAS**

ALTERNATIVE FUELS

BV RULES & REGULATORY AFFAIRS

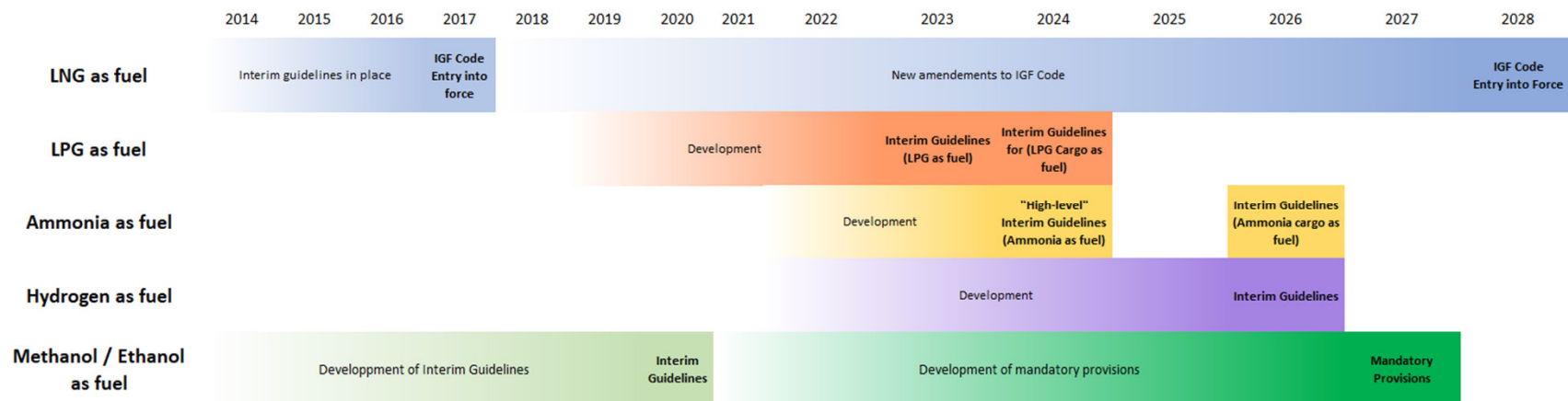
MAY 2026

ALTERNATIVES FUEL

IMO FRAMEWORK

IMO Sub-Committee on Carriage of Cargoes and Containers (“CCC”) (caretaker of IGF and IGC Codes)

IMO Maritime Safety Committee (MSC)



TODAY, all new fuels
 (LPG, Methanol, Hydrogen, Ammonia), except LNG,
 are under “Alternative Design” scheme of IGF Code,
 Before “Interim” becomes “Mandatory”
 Meaning “Flag” will matter !

ALTERNATIVE FUELS

IMO FRAMEWORK (MAY 2026)

Colour Code

In force

New from 2026



	LNG / CNG	LPG	Ammonia	Hydrogen	Methyl / Ethyl alcohol	Fuel Cells
Functional requirements, goals and principles	IGF Code - Part A <ul style="list-style-type: none"> - Detailed risk analysis - Alternative design approach if no detailed requirements available in IGF Code 					
Detailed requirements related to Ship design, construction and operation	IGF Code Parts A-1, B-1, C-1	Interim Guidelines for the safety of ships using LPG fuels Interim Guidelines for use of LPG Cargo as Fuel <small>(MSC.1/ Circ.1666, 2023) (MSC. 1/Circ. 1679, 2024)</small>	“High-level” Interim Guidelines for the safety of ships using Ammonia as fuel Interim Guidelines for use of Ammonia Cargo as fuel <small>(MSC.1/Circ.1687, 2024) (MSC.1/Circ. xxx, 2026)</small>	Interim Guidelines for the Safety of Ships using Hydrogen as Fuel <small>(MSC.1/Circ.xxx, 2026)</small>	Interim Guidelines for the safety of ships using Methyl/Ethyl alcohol as fuel <small>(MSC.1/Circ.1621, 2020)</small> Update initiated in 2026	Interim Guidelines for the safety of ships using Fuel cell power installations <small>(MSC.1/Circ.1647, 2022)</small> Update initiated in 2026
Functional requirements and goals related to training	IGF Code Part D					

ALTERNATIVE FUELS

BV CLASSIFICATION RULES (MAY 2026)

Colour Code

In force

New from 2026



	LNG / CNG	LPG	Ammonia	Hydrogen	Methyl/ethyl alcohol	Fuel Cells
BV Rule note	BV NR529 Revised 2020, Updated in Jan 2026 Based on IGF Code	BV NR647 Issued in 2025, Updated in April 2026 Based on IMO MSC.1/Circ.1679	BV NR671 Issued in 2021, Updated in 2024 and 2026 Covers the use of ammonia as fuel based on BV experience	BV NR678 Issued in 2023, Updated in April 2025	BV NR670 Issued in 2021, Updated in 2025 Based on IMO MSC.1/Circ.1621	BV NR547 Revised in January 2022
Development status	Update done in January 2026	Update done in April 2026	Update done in Feb 2026	Update planned S2 2026 Application specificities in NR500 and NR566	Update done in January 2026	Update planned Q1 2026 Application specificities in NR500 and NR566

ALTERNATIVE FUELS AS OWN CARGO

IMO IGC/IBC FRAMEWORK

Color Code
In force
Under development
Not covered yet

	LNG	LPG	Liq. Ammonia	Liq. Hydrogen	Methyl/ethyl alcohol
Ship Safety	SOLAS				
Cargo Safety	IGC Code	IGC Code	IGC Code	IGC Code + MSC.565(108) Part on membrane finalized at CCC11 (2025)	IBC Code
Bunkering Safety	No specific framework : Same requirements as for a cargo transfer operation				
Gas carriers and/or tankers using their cargo as fuel	IGC Code Chapter 16	IGC Code Chapter 16 + MSC.1/Circ.1679	Principle allowed under IGC Code as of 07/2026 + Guideline finalized at CCC11 (2025)	Not addressed yet – IGC Code Ch 16 general principle	Not specifically addressed in IBC Code or MSC.1/Circ.1621

ALTERNATIVE FUELS AS OWN CARGO

BV CLASSIFICATION RULES

Color Code
In force
Under preparation
Not covered yet
Planned BV updates



	LNG	LPG	Liq. Ammonia	Liq. Hydrogen	Methyl/ethyl alcohol
Ship Safety	NR467 Pt B & C				
Cargo Safety	NR467 Pt D Ch 9	NR467 Pt D Ch 9	NR467 Pt D Ch 9	NR467 Pt D Ch 9 Sec 21 Based on IMO MSC.565(108)	NR467 Pt D Ch 8
Bunkering Safety	NR620 Ch 2	Not formally covered	NR620 Ch 3 Update planned Q1 2026	To be developed	NR620 Ch 4
Gas carriers and/or tankers using their cargo as fuel	NR467 Pt D Ch 9 Sec 16	NR467 Pt D Ch 9 Sec 16	NR467 Pt D Ch 9 Update planned S2 26	To be developed	NR670 Sec 13

ALTERNATIVE FUELS INLAND REGULATORY FRAMEWORK

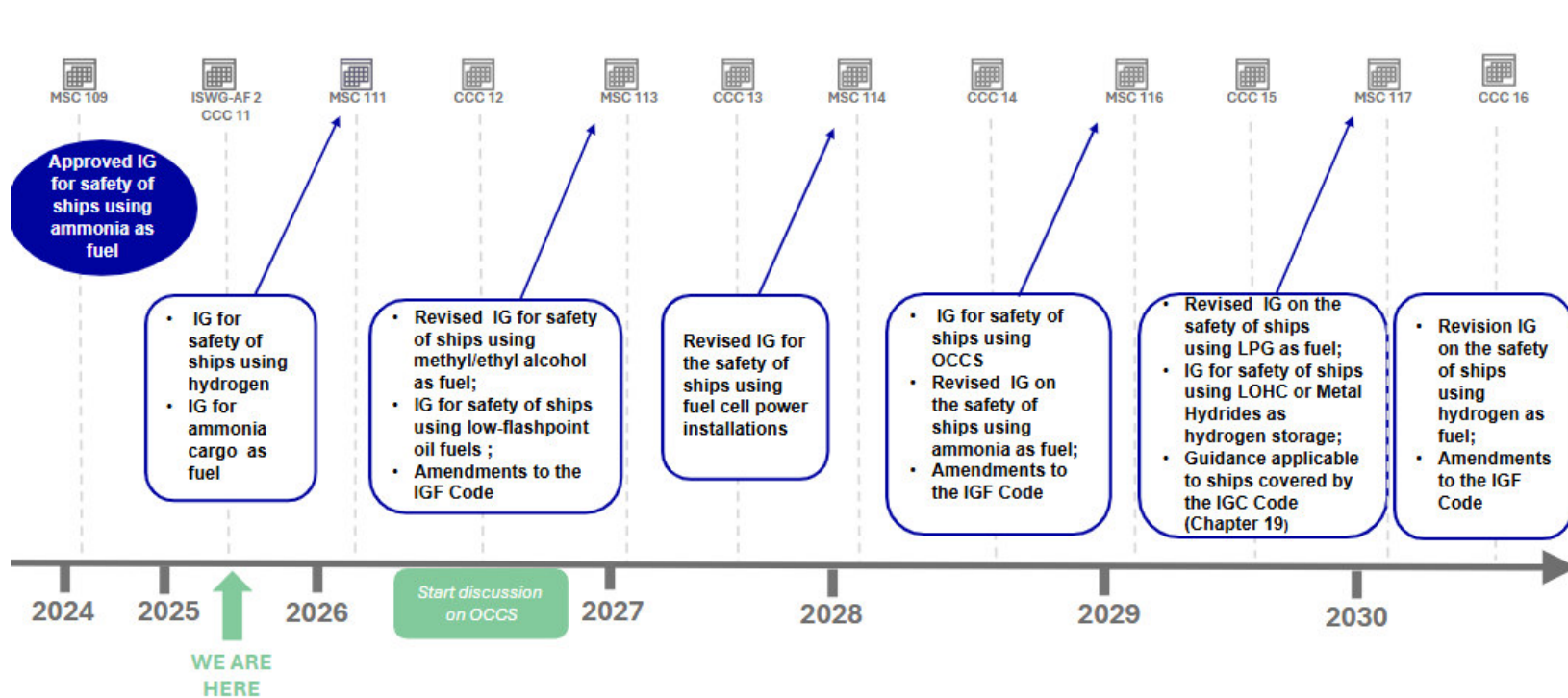
Color Code
In force
Published
Finalized, not published
Not covered



		LNG	LPG	Ammonia	Hydrogen	Methanol	Fuel Cells
ESTRIN	Functional requirements, goals and principles	ES-TRIN 2021 Chapter 30 and Annex 8 applicable to craft operating on fuels with a flashpoint equal to or lower than 55 °c					
	Detailed requirements related to Ship design, construction and operation	Annex 8	No work item	No work item	ES-TRIN 2027 Annex 8 EIF January 2028	ES-TRIN 2025 Annex 8 EIF January 2026	Annex 8
BV Classification Rules	Additional service feature	LNGFuel	Not planned May be covered by LFPfuel as needed	Not planned	To be developed May be covered by LFPfuel as needed	Methanolfuel	Fuelcell
	Rule reference	NR217 Pt D, Ch 4				NR217 Pt D, Ch 4	NR217 Pt D, Ch 4

CCC 11 – SEPT 2025

GHG WORK PLAN



IMO SUBCOMMITTEE SDC 12 (SHIP DESIGN AND CONSTRUCTION) (JAN 2026) GHG WORK PLAN

WORK PLAN FOR THE DEVELOPMENT OF A SAFETY REGULATORY FRAMEWORK TO SUPPORT THE REDUCTION OF GHG EMISSIONS FROM SHIPS USING NEW TECHNOLOGIES AND ALTERNATIVE FUELS UNDER THE PURVIEW OF THE SDC SUB-COMMITTEE		
Year	Session	Results
2025	MSC 110	<ul style="list-style-type: none"> • Instruction to SDC sub-committee to submit a work plan
2026	SDC 12	<ul style="list-style-type: none"> • Development of a Work Plan • Establishment of intersessional correspondence group (Batteries/Wind/Nuclear)
2026	MSC 111	<ul style="list-style-type: none"> • Endorsement of the Work Plan,
2027	SDC 13	<ul style="list-style-type: none"> • Finalize amendments to SOLAS II-1/41 to allow for batteries to be used as the main source of electrical power and lighting systems • Decision to clarify whether battery containers should be included in the ship's enclosed space
2027	MSC 113	<ul style="list-style-type: none"> • Approval of amendments to SOLAS II-1/41 to allow for batteries to be used as the main source of electrical power and lighting systems • Potential approval of intersessional group if requested by SDC 13
[2027]	[intersessional expert group or working group]	<ul style="list-style-type: none"> • [Hazard identification study]
2028	SDC 14	<ul style="list-style-type: none"> • Decision on development of a UI or guidelines on installation requirements for safety approval plate in battery containers, and, referring to SP389, storage and safety requirements for lithium batteries in a battery-container
2028	MSC 114	<ul style="list-style-type: none"> • Adoption of amendments to SOLAS II-1/41 to allow for batteries to be used as the main source of electrical power and lighting systems
2029	SDC 15	<ul style="list-style-type: none"> • Finalization of interim guidelines for the safety of ships using wind propulsion and wind assisted power
2029	MSC 116	<ul style="list-style-type: none"> • Approval of interim guidelines for the safety of ships using wind propulsion and wind assisted power
2030	SDC 16	<ul style="list-style-type: none"> • Finalization of the revised Nuclear Code and amendments to SOLAS VIII.
2030	MSC 117	<ul style="list-style-type: none"> • Approval of amendments to SOLAS VIII.
2030	MSC 118	<ul style="list-style-type: none"> • Adoption of the revised Nuclear Code and amended SOLAS VIII.



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Shaping a World of Trust

