5L. Vessel decarbonization pathway

Summary of chapter findings and outcomes

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- Current and future vessel availability and timeline taking into consideration the availability of alternative fuels based on technology maturity
- Modifications required for existing vessels and characteristics of new vessels (i.e., alternative fuels, onboard storage, technologies)

02

Technical feasibility of vessel newbuild/conversion to use alternative fuels, including:

- Impact of usage of alternative fuels on vessel, voyage range, and cargo payload
- Fuel and technology availability and maturity over time
- Vessel renewal/new ordering timelines

03

Regulatory feasibility of vessel conversion to use alternative fuels:

- Regulations regarding use and onboard storage of alternative fuels
- Measures to ensure a just and equitable conversion and operation of the vessels, including relevant ESG ambitions

04

Cost assessment of vessel conversion to use alternative fuels, including:

- CapEx and OpEx for existing and new vessels' incremental cost of green
- Resulting financing needs and funding sources

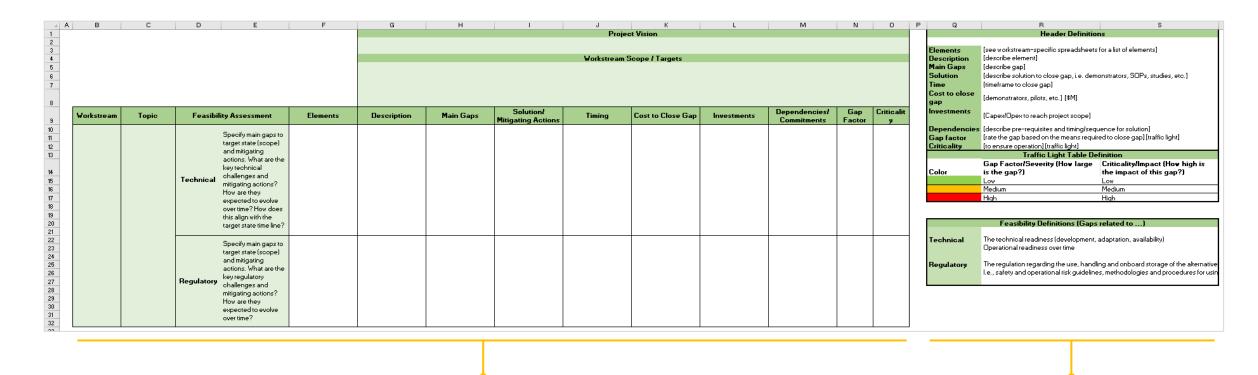
Just & Equitable:

05

Analysis from a J&E perspective will provide insights on how workers, communities and ecosystems might be affected by the change/addition
of new operating vessels and their related new technologies. There might be socio-economic opportunities and risks. It is important that work
is done to maximize the opportunities and minimize the risks.



Workstream gap analysis – Vessel decarbonization pathway



Throughout the Feasibility assessment, fill the table with insights on **technical and regulatory feasibility**⁵ – specifically, use this table to highlight **gaps and ways to close them**

Legend and definitions

