



Clean Cargo™ Working Group (CCWG)

Overview, Requirements & Verification

Verify. Comply. Navigate. ®

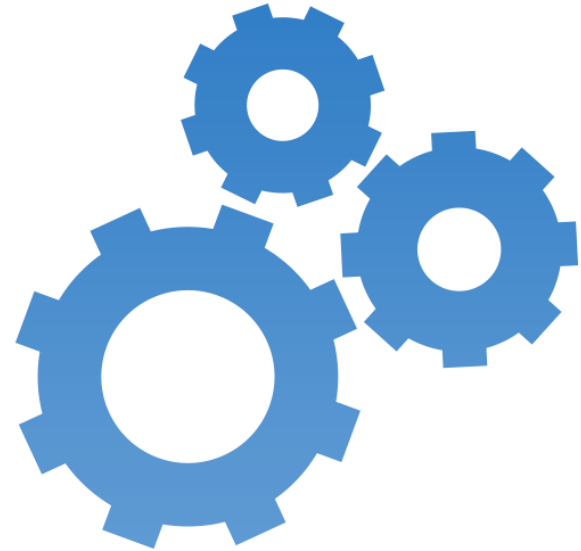


Singapore, 9 February 2018

www.verifavia-shipping.com



- 1 CCWG Overview
- 2 CCWG Requirements
- 3 CCWG Verification



A leading global carrier-shipper initiative dedicated to environmental performance improvement in marine container transport through measurement, evaluation, and reporting



CCWG members share a vision of a container shipping industry that is responsible part of sustainable supply chains, which supports clean oceans, healthy port communities and global climate goals

MISSION #1

Measure, report, and evaluate performance data in marine container transport

MISSION #2

Support responsible corporate engagement on public policy

MISSION #3

Share best practices and member engagement

MISSION #4

Catalyze and partner on projects that drive sustainability performance improvement



- Create and use practical tools for measuring, evaluating, and reporting the environmental impacts of global goods transportation.
- Participate in collaborative effort to
 - raise the bar on environmental performance of the maritime industry
 - Steer alignment and harmonization of freight emissions measurement across modes
- **For ocean freight carriers:** Track and benchmark your performance and easily report to customers in a standard format
- **For cargo owners (shippers):** review and compare carriers' environmental performance when reporting and making informed buying decisions



Clean Cargo™ Working Group Companies (brands, cargo carriers, and freight forwarders representing over 85% of the container shipping industry)



KNOWLEDGE PARTNERS

EcoTransIT World EcoVadis Kuhne Logistics University Turnkey Solutions Ltd

PARTICIPANTS

Agility AgroFair APL APL Logistics ARKAS Line BDP International BMW AG CEVA Logistics

CMA CGM COSCO SHIPPING Crowley DAMCO DB Schenker DHL EFL Electrolux AB Evergreen Marine Corp Ltd.

Expeditors International GEODIS Hamburg Sud Hapag Lloyd Heineken N.V. Hermes Germany GmbH HP Inc.

Hyundai Merchant Marine ICL Europe NV IKEA JF Hillebrand Kawasaki Kisen Kaisha Ltd. "K-Line" Kuehne + Nagel Inc.

LF Logistics Marks & Spencer Matson Maersk Line MCC Transport Singapore Pte Ltd. Mediterranean Shipping Company S.A.

Mitsui O.S.K. Lines, Ltd. Nike, Inc. NYK Line OOCL Panalpina Management Ltd. Philips Lighting Ralph Lauren Corporation

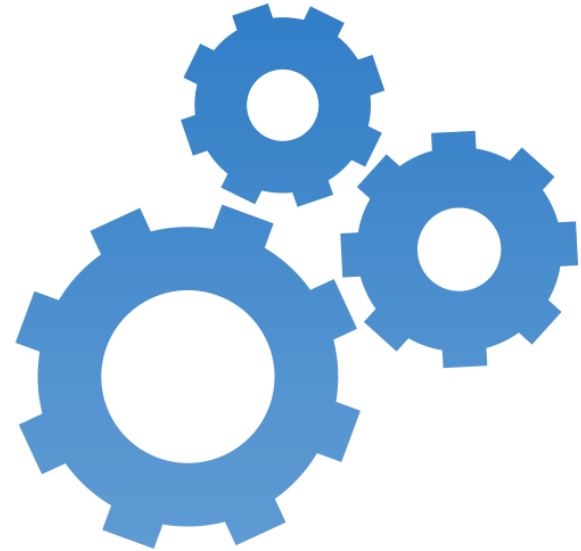
SAT Albatros Tchibo GmbH Unifeeder A/S United Arab Shipping Company Wan Hai Lines, Ltd. Yang Ming Marine Transport Corp.

ZIM Integrated Shipping Services





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Parameter to report	Rule
Ships	All vessels (owned and charter) excluding spot charter vessels hired for less than six months
GHG emissions	CO ₂ and SO _x
Fuel consumption	Fuel consumption at sea and at port aggregated for the full year
Distance	Actual distance sailed or distance on shortest route with correction factor 15%
Nominal TEU capacity	TEU capacity (TEU equivalents) * Utilization factor
Reefer TEU capacity	Number of reefer plugs on the vessel * 1.9
Reported time	Days vessel operated
Reporting scope	Per trade lane
Average energy efficiency	gCO ₂ /TEU-KM

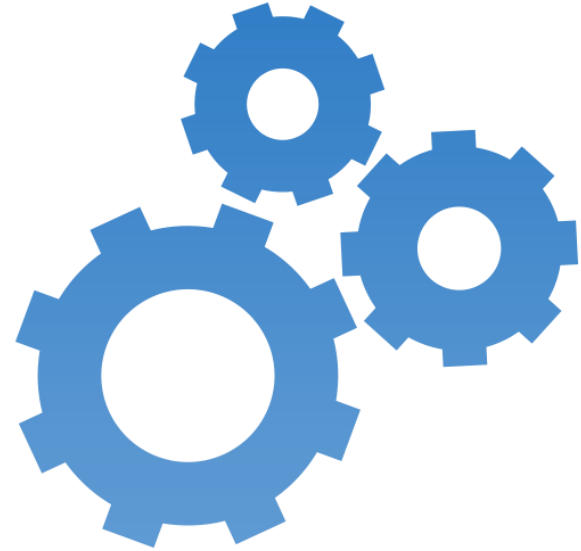


CCWG

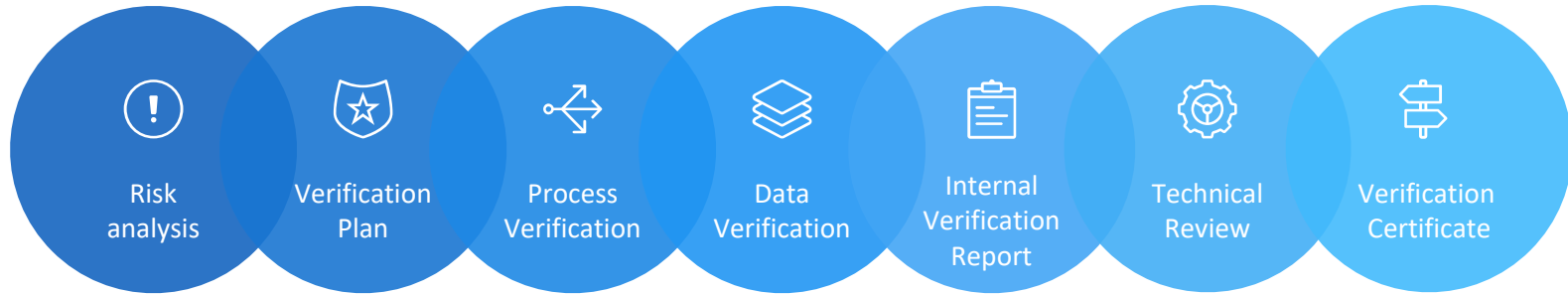
Fuel consumption	Number of reefer plugs on the vessel
TEU nominal capacity	Reefer consumption per year
CCWG utilization factor	Days vessel operated
Distance sailed	Yearly average vessel utilization per trade lane
VSA, Slot Charter Agreements & Feeder services specific calculations	Carbon calculation clause
TEU conversion factors	SOx emissions
TEU standard weight used	Brief statement describing procedures
Trade Lane	Carbon conversion factor
Carbon emission factors	

CCWG
Programme rules
CCWG Carbon Emissions Accounting Methodology, June 2015
Verification criteria
ISO 14065 & ISO 14064-3
Procedure and guidance for verifying the CO2 and SOx emissions data submission, Version 2.0, January 2017

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We will conduct the verification in accordance with the ISO 14064-3 and ISO 14065 standards



Audit conducted with a head office visit at company's head office as per CCWG Carbon Emissions Accounting Methodology

1 - DESK REVIEW

- Initial review of carrier documents
- Initial tests on the data submitted in Turnkey

2 - OFFICE AUDIT

- Observation of reporting processes and IT systems
- Interview with key staff
- Sampling of data for particular vessels (sample tests)

3 - FINAL REVIEW AND AUDIT REPORT

- Final review of data submitted in Turnkey
- Audit report (limited assurance)
- Verification certificate



Q&A



Thank You

Get in touch with us!

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