GLOBAL DIALOGUE
on Seafood Traceability

GDST 1.0 Standards and Guidelines for Interoperable Seafood Traceability Systems

An Industry-led effort for aligned and verifiable digital traceability information

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What is the GDST?

An international, "business-to-business" platform charged with developing global voluntary guidelines for **interoperable seafood traceability.**

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Urgent need to overcome traceability issues

- Numerous **vendors and technology solutions**

- Traceability systems are **operating in non-interoperable silos**

- **Inconsistent demands** on producers and suppliers due to various international regulations, import control schemes

- Growing and diverging information **reporting requirements**

Goals of the Dialogue

A global Standard for seafood traceability to promote:

- **Alignment of key data elements –** closes IUU loopholes, facilitates trade and reduces bureaucracy

- **Digital interoperability** — so that proprietary traceability systems can talk to each other

- **Access to reliable & verifiable information** about seafood product origins and production methods

- **Consistent policies** and a level international playing field

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Over 60+ Members Worldwide
that drafted the GDST Standards 1.0!

GLOBAL DIALOGUE on Seafood Traceability

A. Espersens A/S – Ahold Delhaize – Ajinomoto Co., Inc – 178 Degrees – Aldi Nord – Anova Food USA – AP2HI – Asian Alliance International Company – Charoen Pokphand Foods Public Company Limited (CPF) – Bolton Food – Bomar (PT. BOGATAMA MARINUSA) – Culinary Collaborations LLC – Bumble Bee – General Tuna Corporation (Century Pacific Tuna) – Japanese Consumers' Co-operative Union – China Aquatic Products Processing & Marketing Alliance (CAPPMA) – Citra Mina – Lyons Seafood – Envisible – Fishin Company – Hong Kong Exhibition Centre – Intercity Packers Meat & Seafood – LDH (La Doria) Ltd. – Lidl Stiftung & Co, KG – Luen Thai Fishing Venture – Metro – Publix Super Markets, Inc. – Sainsbury's Supermarkets Ltd – Morrisons Supermarkets – Mt Cook Alpine Salmon – Seachill Part of the Hilton Food Group – Seacore – New England Seafood – Southeast Asian Packaging and Canning Ltd – Stavis Seafoods – Sysco Corp – Target – Nissui – Thai Union – Orca Bay – PT Bumi Menara Internusa (BMI) – Wegmans – Santa Monica Seafood – Sea Delight – Socsksargen Federation of Fishing and Allied Industries, Inc. – Taylor Shellfish – Woolworths Group – Co-op UK – Thai Tuna Industry Association – Tri Marine – Vietnam Association of Seafood Exporters and Producers – Vinatuna – Whole Foods – World Tuna Purse Seine Organization – Pacifical – Karoo Catch – Tesco – Silver Coast Foods LLP – Young's Seafood

& Dialogue Advisory Group:
120 members
NGOs, academia, tech solution providers

+ SeaBOS endorsement

GDST representation across the supply chain

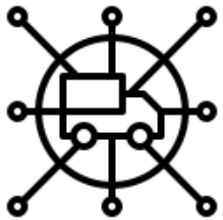[lists are illustrative, overlapping, and not fully inclusive]

Fishing/Farming

Ajinomoto Co., Inc
AP2HI
Citra Mina
Fishin Company
Karoo Catch
Luen Thai Fishing Venture
Mt Cook Alpine Salmon
Nissui
Socsksargen Federation of Fishing
and Allied Industries, Inc.
Tri Marine
Vinatuna
World Tuna Purse Seine Org.

Processing

AP2HI
Bomar (PT. BOGATAMA MARINUSA)
China Aquatic Products Processing
& Marketing Alliance (CAPPMA)
Charoen Pokphand Foods (CPF)
Citra Mina
General Tuna Corporation
Luen Thai Fishing Venture
Nissui
PT Bumi Menara Internusa (BMI)
Southeast Asian Packaging and Canning
Thai Union
Tri Marine
Vietnam Association of Seafood
Exporters and Producers

Export/Import

178 Degrees
A. Espersens A/S
Ajinomoto Co., Inc
Envisible
Fishin Company
Intercity Packers Meat & Seafood
Lyons Seafood
New England Seafood
Nissui
Orca Bay
Santa Monica Seafood
Seacore
Sea Delight
Silver Coast Foods LLP
Stavis Seafoods
Thai Union
Young's Seafood Ltd

Additional Processing and Distribution

Bolton Foods
Bumble Bee
Century Tuna
Charoen Pokphand Foods
Citra Mina
Co-op UK
Fishin Company
Nissui
Santa Monica Seafood
Seachill
Seacore
Stavis Seafoods
Thai Union
Young's Seafood Ltd

Major Brands

Ahold Delhaize
Aldi Nord
Co-op UK
Hong Kong Exhibition Centre
Japanese Consumers' Co-op Union
Lidl Stiftung & Co, KG
Metro
Morrisons Supermarkets
Publix Super Markets, Inc.
Sainsbury's Supermarkets Ltd
Sysco Corp
Target
Tesco
Wegmans
Whole Foods
Woolworths Group

Retail / Food Service

What has been achieved?

The GDST 1.0 Standards just launched

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Standards & Guidelines for Interoperable
Seafood Traceability Systems —
Core Normative Standards (Version 1.0)

February 2020

Ready-to-use Standards

- **WHAT** data needs to be captured and transferred **(The KDE List)**

- **WHO** in the supply chain is responsible for that data capture **(The CTE List)**

- **HOW** data can be standardized and shared **(Interoperability Guidelines)**

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THE GDST KDE list (wild-caught)

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VESSEL MASTER DATA
Vessel Name
Vessel Registration
Unique Vessel Identification
Public Vessel Registry Hyperlink
Vessel Flag
Availability of Catch Coordinates
Satellite Vessel Tracking Authority
Transshipment Vessel Name
Transshipment Vessel Unique Vessel Identification
Transshipment Vessel Flag
Transshipment Vessel Registration
CERTIFICATIONS AND LICENSES
Fishing Authorization
Harvest Certification
Harvest Certification Chain of Custody
Transshipment Authorization
Landing Authorization
Existence of Human Welfare Policy
Human Welfare Policy Standards
TRACEABLE OBJECT INFORMATION
Species
Product Form
Item / SKU / UPC / GTIN
Linking KDE (batch, lot or serial number)
Weight or Quantity
Unit of Measure

TECHNICAL
Event ID
Event Date, Time & Time Zone
Event Read Point (Geo Location)
Product Ownership
Information Provider
CATCH DATA
Catch Area
Fishery Improvement Project
Vessel Trip Dates
Date(s) of Capture
Gear Type
Production Method
TRANSSHIPMENT DATA
Transshipment Location
Dates of Transshipment
LANDING DATA
Landing Location
Dates of Landing
PROCESSING DATA
Expiry / Production date
Product Origin

✓ Chosen to **ensure legal origin** and to **support CSR policies** on sustainability and social responsibility

✓ The list of KDEs reflects **a broad industry consensus** among a diverse set of industry actors

✓ Both **EU and US import controls** were considered in developing the KDE lists

Key Data Elements (KDEs): More than just a list

KDE No.	KDE Name	KDE Definition	Standard Data Options	Standards Org.	List Link		Authoritative Data Source	Authoritative Data Document
W02	Vessel Registration	standardized number or identifier for distinguishing vessels registered under the same flag nation.	Free-entry Field	N / A	N / A		Flag state regulatory body with oversight of the nation's fishing fleet	Respective Flag state fishing vessel registry
W03	Unique Vessel Identification	identifier associated with a vessel for the duration of its existence that cannot be re-used by any other vessel with a permanent physical marking on the craft.	IMO Number registry managed by IHS Maritime (For eligible vessels)	International Maritime Organization (IMO) - http://www.imo.org/en/ourwork/msas/pages/imo-identification-number-scheme.aspx http://www.fao.org/fishery/docs/DOCUMENT/global_record/2015/inf9e.pdf	https://gisis.imo.org/Public/SHIPS/Default.aspx		IHS Maritime on behalf of the International Maritime Organization	The IHS Maritime registry of valid IMO numbers
W05	Gear Type	equipment used to extract seafood from water for capture.	The International Standard Statistical Classification of Fishing Gear (ISSCFG) Revision 1	UN-FAO's Coordinated Working Party on Fishery Statistics (CWP)	http://www.fao.org/3/a-bt987e.pdf		Fishing vessel captain	Captain's logbook / harvest records

Comparison of KDEs between IUU coalition and GDST

A comparative study of key data elements in import control schemes aimed at tackling illegal, unreported and unregulated fishing in the top three seafood markets:

the European Union, the United States and Japan

January 2020

Suggested KDEs for Import Control Schemes	GDST KDEs
WHO	
Vessel name	✔
Unique vessel identifier (IMO number)	✔
Vessel flag	✔
International Radio Call sign	
Information of exporter/re-exporter	within technical data
Identity of importer company	within technical data
WHAT	
Product type	✔
species name enbedded in the FAO/ASFIS 3-Alpha code	✔
Estimated live weight (kg)	Weight
Processed weight (kg)	Weight
Declaration and authorisation at transshipment at sea	✔
WHEN	
Event date	✔
WHERE	
Catch area	✔
Authorisation to fish	✔
Port of landing	✔
Processing location	within technical data
HOW	
fishing gear or catching method	✔

GDST supports harmonization of policies

1. The GDST standards are a major step towards **harmonization of industry practices and government policies**

2. True **harmonization must go further than alignment of lists** >> KDE definitions, standard formats and authoritative data sources

3. GDST standards **require digital interoperability** which improves business efficiency, reliability and verifiability of data and helps industry to **comply better with requirements of import control schemes**

➢**Companies:** **lower the risk for non-compliance with anti-IUU import controls**

➢**Governments:** **implementation of GDST improves industry compliance and helps with verification and enforcement**

GDST ready to interact with all stakeholders

Common goal to fight IUU

Antonio Busiello / WWF-US

❖**Companies act now to adopt GDST 1.0!**

GDST standards have reached consensus among a diverse set of industry. Companies should adopt them, and take the first steps on the road to implementation!

❖**Common agenda between NGOs and companies**

NGOs should evaluate the importance of GDST implementation as a significant opportunity to strengthen a common agenda with companies that are helping fight IUU and ensure responsible sourcing

❖**Governments should consider GDST for future policies**

As a key technical reference point they provide an important basis for future policies that are globally coherent and support efficient business practices

Thank you

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https://traceability-dialogue.org/

@TheGDST

The Global Dialogue on Seafood Traceability