

Stronger Together

Harmonization of Rules concerning the Multimodal Carriage of Dangerous Goods in the ASEAN





Agenda

- What are Dangerous Goods? How are these goods transported?
- Status of the ASEAN Agreements
- Addressing the Gaps through the Private Sector
- Recognizing the need for training and certification
- Professional Pathway offered by The Chartered Institute of Logistics and Transport





What are these Dangerous /Hazardous Goods?

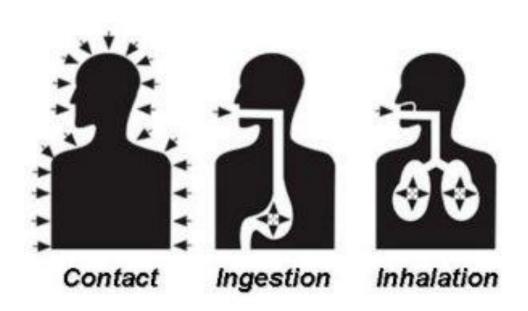


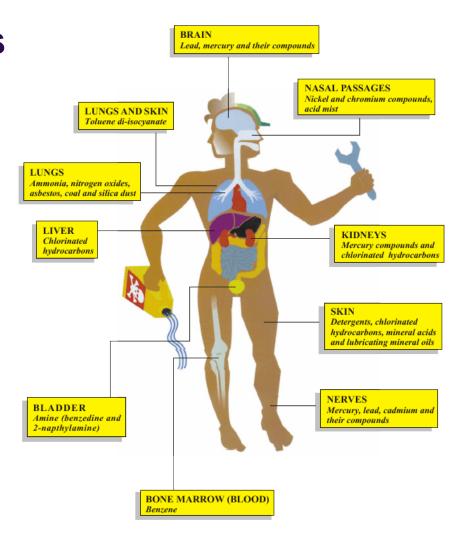
DANGER **ASBESTOS**

Substances

Articles

Has the Potential of Harming Lives





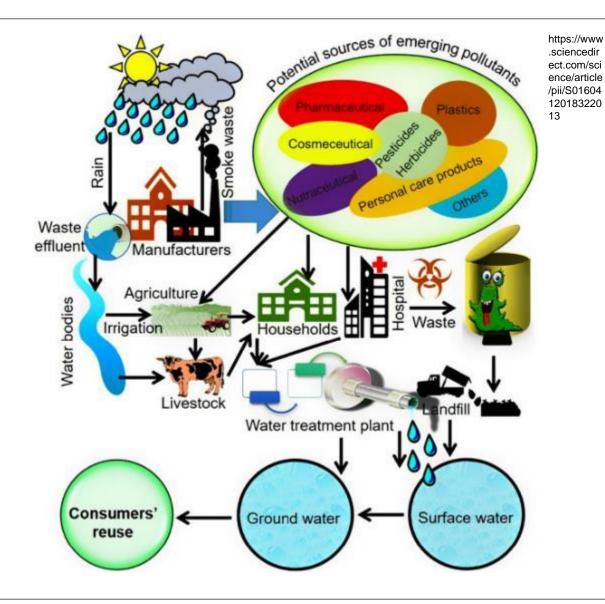
Destroying Property



Damaging the Environment



https://www.nst.com.my/news/nation/2021/04/681604/rm15m-water-pollution-fine-not-enough



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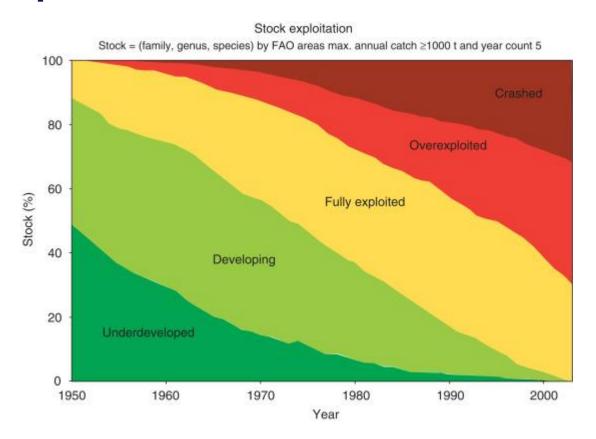
Why do we need these Goods?



NATURAL RESOURCE DEPLETION

Depletion of Natural Resources

Dependence on Chemical Substitutes





Chemicals are used in Virtually Everything in our Modern Lives

- ✓ In our Food Flavours, Colours and Fragrances
- ✓ In our Food-Chain Pesticides, Insecticides, GMO
- ✓ In our Homes Cleaners, Disinfectants, Paints, Gas Burners and Cylinders, Hair Products, Fragrances
- ✓ In our Hospitals X-rays, Clinical Samples/Waste

Dangerous Goods are all around us and a part of us.

How do these goods move?

Air Transport has limitations on types and volumes of DG-usually high value/medical related items are airlifted

Substances/Chemicals are lower in value and move in large quantity by Sea

Large Volumes of Dangerous Substances – Large Scale Disasters at Sea and on Land

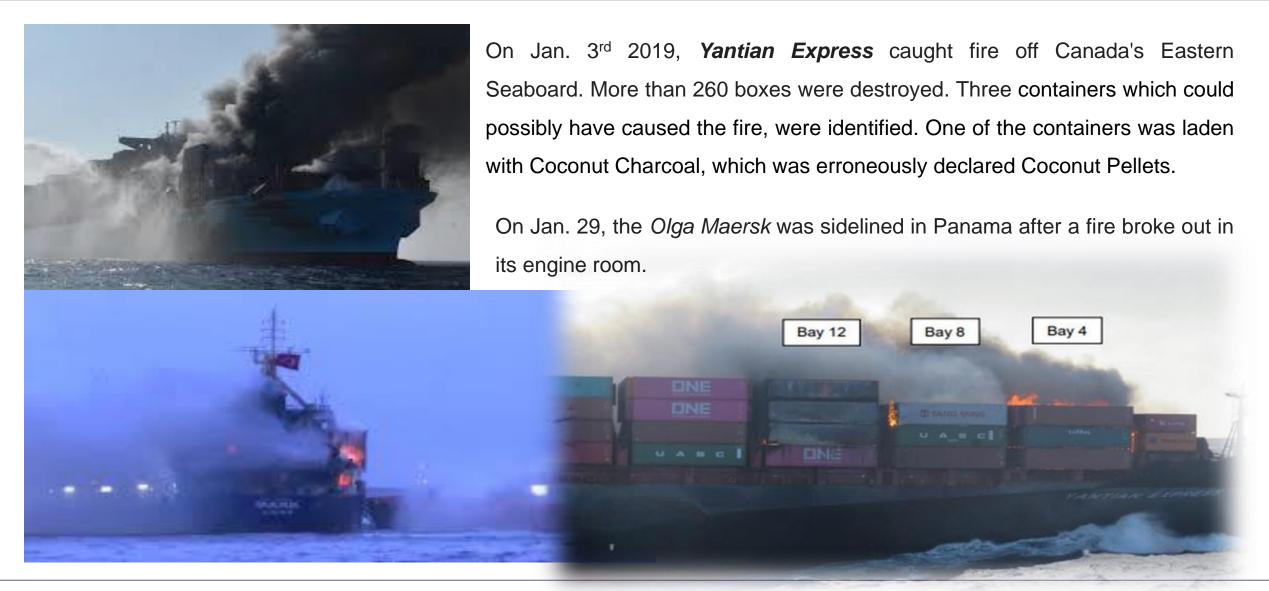
Substances/Chemicals take up 80% of the Risk in Shipping DG



Hazards/Risks in Transporting Dangerous Goods

- Fire & Explosions ship, ports & terminals, during land conveyance
- Corrosion, Chemical burns
- Poisoning, Infection
- Radiation
- Marine Environment pollution
- Ecological hazards
- Loss of lives & livelihood
- Threat from Terrorism







Date	Ship name	Capacity (teu)	Operator (parent company)	Location of incident
09-Aug	APL Le Havre	10,106	APL (CMA CGM)	Off Indian west coast
25-May	KMTC Hong Kong	1,585	KMTC	Laem Chabang port
16-May	Grande Europa [1]	716	Grimaldi Lines	Off Mallorca coast
10-Mar	Grande America [1]	1,321	Grimaldi Lines	Off France Atlantic coast
13-Feb	E.R. Kobe	5,754	Gold Star Line (Zim)	Off China coast
31-Jan	APL Vancouver	9,200	APL (CMA CGM)	Off the Vietnamese coast
29-Jan	Olga Maersk	3,267	Hamburg Sud (Maersk Line)	On route from Panama to Cartagena
03-Jan	Yantian Express	7,179	Hapag-Lloyd	800 nm off Canada's east coast

The London-based Drewry Shipping Consultants in its <u>Container Insight</u> <u>Weekly</u> listed eight significant fires between Jan. 3 and Aug. 9 2019 on container and container/roll-on, roll-off ships.

2020 Disasters



https://www.newscientist.co m/article/2251076-beirutexplosion-what-caused-theblast-and-what-else-do-weknow/

Beirut explosion

X-Press Pearl



https://splash247.com/x-press-pearlwas-denied-entry-in-india-and-qatarbefore-catching-fire-off-colombo/



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Intermodal Operator



Inland Carrier



Intermodal Operator

Consolidator



Carrier

Consolidator

Int



Intermodal Operator



Carrier

Intermodal Operator



Inland Carrier



Chain of Responsibility



Classification of dangerous goods Packing, marking and labelling Documentation



Loading of Dangerous Goods



Transport of Dangerous Goods



Unloading of Dangerous Goods

Cleaning after unloading

Shipper's Responsibility





Classify



Communicate

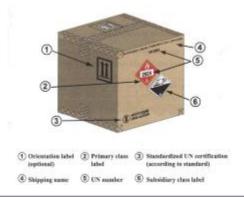




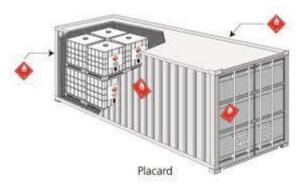
Package



Mark & Label



Placard Transport Unit



Declare & Describe

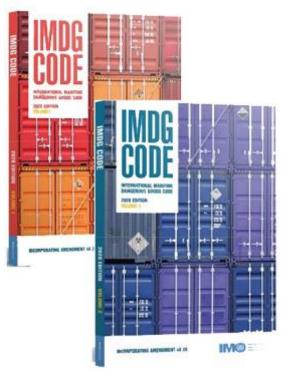


Shipper uses the Guidance of

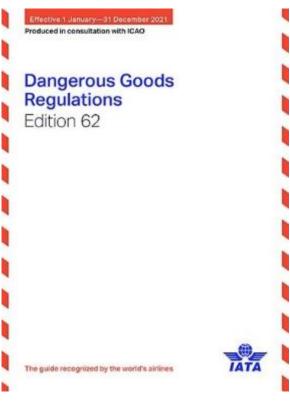




Transport of DG Mode-Centric Codes

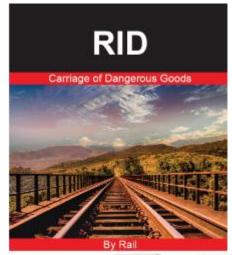


Ocean / Sea Transport



Air Transport

Road / Rail Transport







Transport Cooperation between ASEAN Member States

- Transport Cooperation in the ASEAN has been pursued since the 1980s based on consecutive 5-year plans.
- Many initiatives were launched since then such as the ASEAN transport Action Plan ASEAN Highway Network, the Singapore-Kunming Rail Link, the Roadmap Integration of the Air Travel Sector
- 3 framework agreements were incorporated in the AEC (ASEAN Economic Community) Blueprint.



Framework Agreements in the AEC- Transport Facilitation

AFAFGIT – ASEAN Framework Agreement on the Facilitation of Goods in Transit

Objective: mutually allowing transit amongst AMS

- Protocol 1: Designation of Transit Transport Routes and Facilities
- Protocol 2: Designation of Frontier Posts
- Protocol 3: Types and Quantities of Road Vehicles
- Protocol 4: Technical Requirements for Vehicles
- Protocol 5: Motor Vehicle 3rd Party liability Insurance
- Protocol 6: Railway borders and Interchange Stations
- Protocol 7: Customs Transit System
- Protocol 8: Sanitary and Phytosanitary Measures
- Protocol 9: Dangerous Goods

Framework Agreements in the AEC- Transport Facilitation

AFAMT – ASEAN Framework Agreement on Multimodal Transport

Objective: Specify Legal Liability of MTOs, consigners and the standard format of transport contracts.

AFAFIST – ASEAN Framework Agreement on Facilitation of Inter-State Transport

Objective: allow Transport Operators that are registered in an AMS to provide transportation services in other AMS.

The success of AEC is the full operationalization of these agreements

Stumbling Blocks

- 1. Road Traffic Rules and Regulations challenges left-hand drive versus right-hand drive
- 2. Inter-Ministerial coordination
- 3. Some AMS still need to work on their local laws.

Despite the fact that the main agreement and more than half of the protocols have been enacted – the agreements have not been implemented as they have been stalled by delays in the ratification of key protocols and in the enactment of necessary domestic laws and regulations.

So where do we go from here to ensure dangerous goods are transported safely and in compliance to International Regulations?



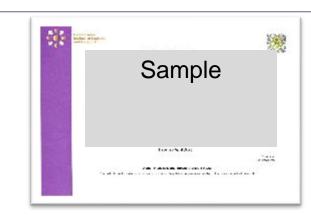
We are stronger together.

WEARE CILT

Celebrating 100 years supporting transport and logistics professionals



Bridging the Gap with Professionals



We are CILT

We are the leading **professional body** for **everyone** who works in supply chain, logistics and transport. We are a **global family**, representing **professionals** at all levels across all sectors, with a mission to give individuals and organizations access to the tools, knowledge and the connections vital to success in the logistics and transport industry.







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Bridging the Gap with Professionals

CILT Global Community International Certification & Recognition

International & National Councils

NEXT GENERATION



Development of Young Professionals

- Professional Qualifications & Education
- Mentoring
- Networking

Empowerment of Women in the industry

- Career & Leadership Foundation Programme
- Sustainability Leadership Principles
- Networking and Development Programmes

IBF
International
Business
Forum

Development Business and Academic Partners

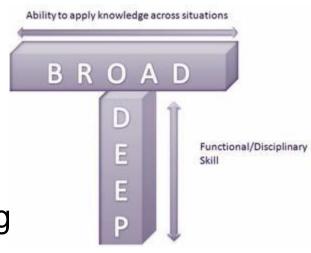
- Networking & Business Matching
- Global Best Practices Sharing
- Global Industry Bulletin

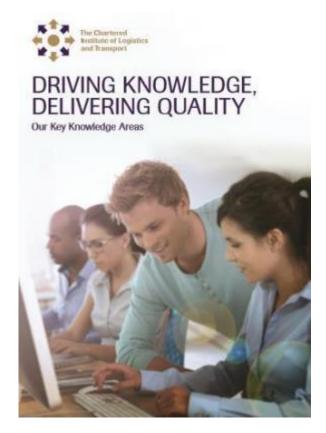
www.cilt.org.my

Bridging the Gap with Professionals

Our Education Context

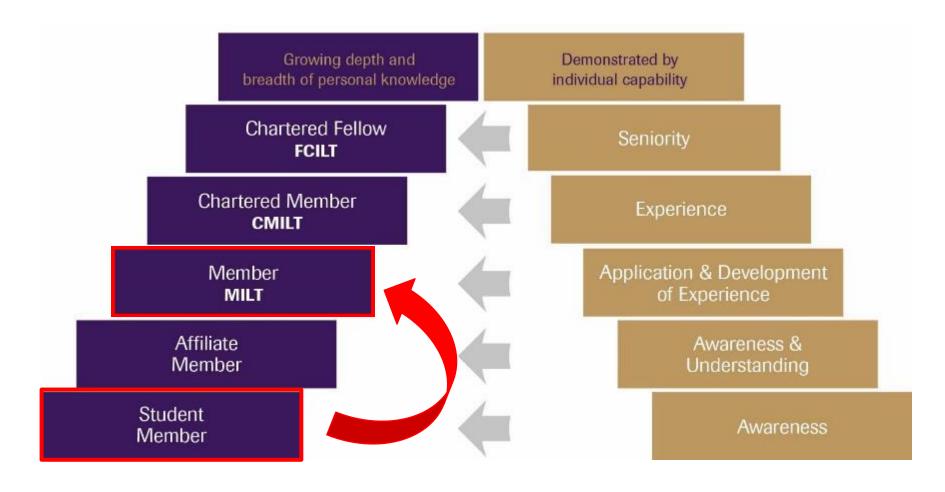
- The importance of developing rounded professionals
- A sound knowledge covering 'depth' and 'breadth'
- Links into lifelong learning path





 Our global standards make us special and stand out

Developing Professionals





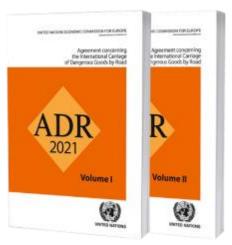
Professional Qualification & Education – Dangerous Goods Logistics



IMDG Code Training
Approved by Marine
Department of Malaysia



IATA DGR Training
Approved by Civil Aviation
Agency of Malaysia



Training for:

- 1. Transport Personnel
- 2. Driver & Vehicle Crew
- 3. Dangerous Goods Safety Advisor

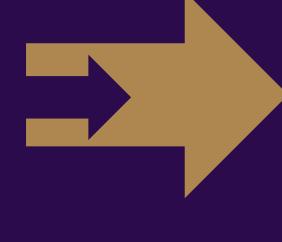


Where you will find us supporting training and professional development

- OILT country
 organisations
 (many with
 training provision)
- Training partner presence where no branch formally launched







Thank You



Reshma Yousuf

DGSA (UK), Founder CLLB Council Member CILT Malaysia