



Dangerous Goods Process Management

Certification Program Overview

Michelle Chevalier – UL Solutions

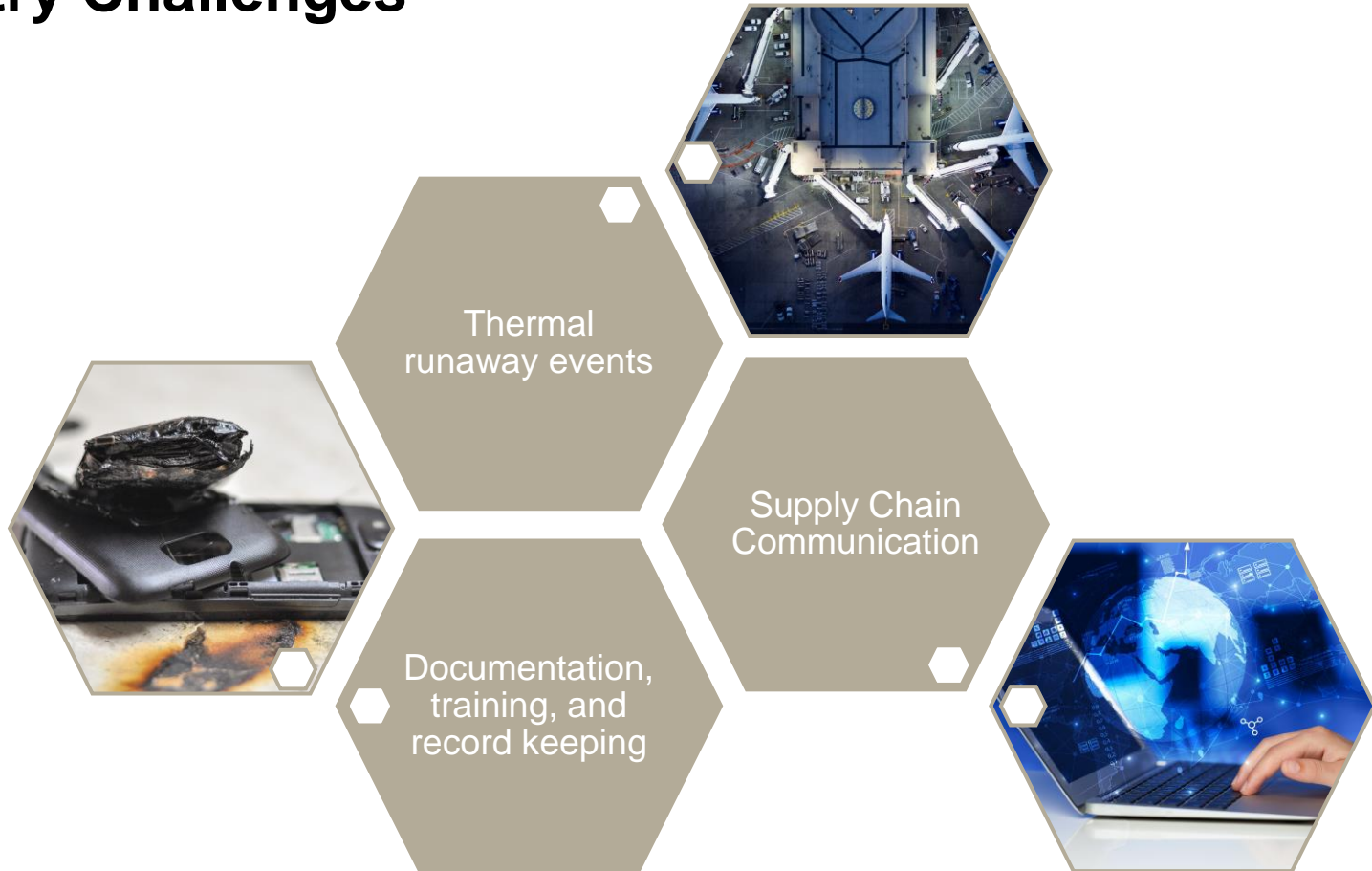
Tiberiu Hrihorciuc – Meta Reality Labs

Agenda

1. Industry Challenges – Dangerous Goods (DG) shipments and supply chain communication
2. Certification Purpose and Scope
3. Certification Overview
4. Industry Perspective – Meta Reality Labs



Industry Challenges



Certification Purpose

- Assess an organization's management system and related processes to comply with applicable regulations, agreements and codes of practice and/or legislation that pertain to the transportation of dangerous goods articles that are:
 - Developed
 - Manufactured
 - Sourced
 - Packaged
 - Stored
 - Offered for transport [***forward and reverse pathways***] by, or on behalf of the organization

Certification Scope

- Organizations in scope include:
 - Manufacturers and/or contract manufacturers
 - Packagers
 - Distributors
 - other third-party partners,

- Review of materials include:
 - Documentation
 - Applicable functional and physical areas
 - Records
 - Non-compliance and complaint investigations,
 - Appropriate personnel (including subcontractors) associated with the scope of the Dangerous Goods Process Management Certification Program audit.

Dangerous Goods Program Management (DGPM) Certification Overview

- UL Solutions is a premier global independent safety science company that has championed progress for over 120 years and guided by the mission to promote safe working and living environments for all people. UL Solutions uses research and standards to continually advance and meet ever-evolving safety needs.
- UL Supplier Quality Audits & Certification (SQAC) provides independent, third-party manufacturing/process assessments against a defined standard that aims to minimize supply chain risk, help protect brand value, and promote consumer and product safety.
- The certification services will be conducted in conformance with the ISO/IEC 17020

1.0 Personnel

1.1 Training

1.2 Dangerous Goods Management

1.3 Pre-Transportation Functions

1.3.1 Classification

1.3.2 Packaging

1.3.3 Marking

1.3.4 Labelling

1.3.5 Placarding

1.3.6 Documentation

1.4 Emergency Response

1.5 Security

1.6 Incident Report

1.7 Handling

1.8 Third-Party Performance

2.0 Dangerous Goods Hazards (Optional/Modular - included when and if required)

2.0.1 Class 9 - All Batteries

2.0.2 Class 9 - Lithium-ion and Lithium Metal Batteries



3.0 Regulations (Optional/Modular - included when and if required)

3.0.1 AUSTRALIA:

3.0.2 BRAZIL:

3.0.3 CANADA:

3.0.4 CHINA:

3.0.5 EUROPE:

3.0.6 HONG KONG:

3.0.7 IATA: International Air Transport Association

3.0.8 ICAO: International Civil Aviation Organization

3.0.9 IMDG CODE: International Maritime Dangerous Goods Code

3.0.10 INDIA:

3.0.11 JAPAN:

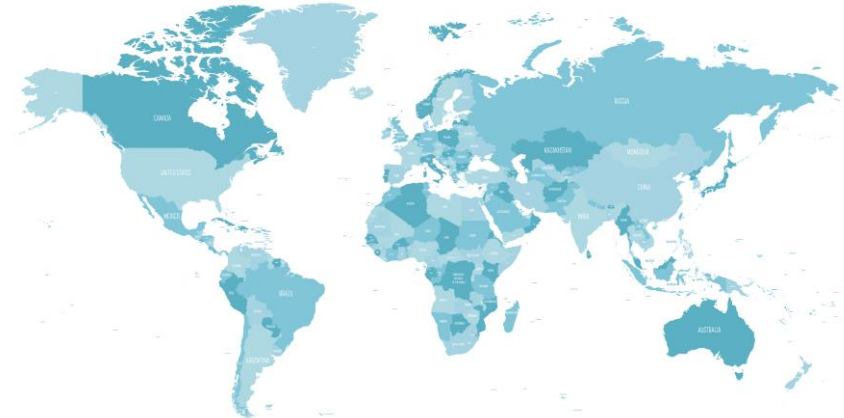
3.0.12 KOREA:

3.0.13 NEW ZEALAND:

3.0.14 SINGAPORE:

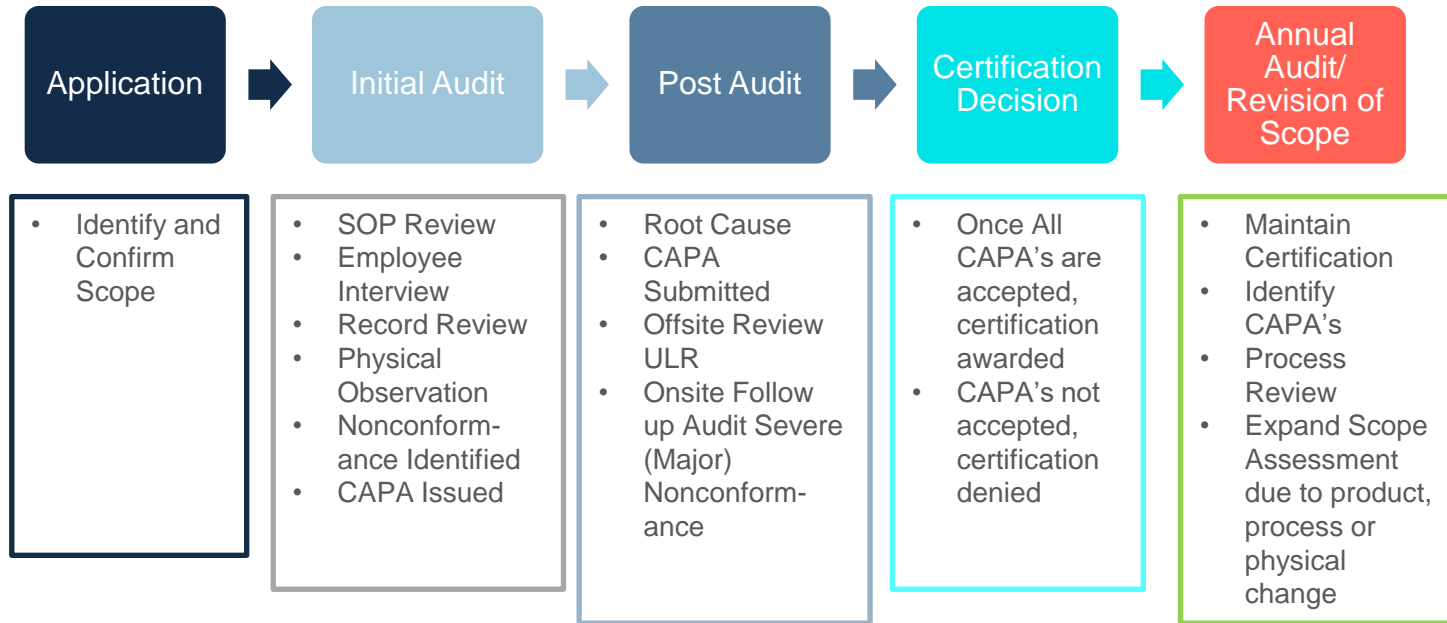
3.0.15 TAIWAN:

3.0.16 US DOT:



Audit Process Overview

Audit Process



Single Site or Multi Site Approach

UL REGISTRAR LLC ISSUES THIS

CERTIFICATE OF CONFORMANCE



To:

YOUR ORGANIZATION

1535 Faraday Ave,
Carlsbad, CA
92008

FOLLOWING ASSESSMENT OF ITS GOOD MANUFACTURING PRACTICE &
QUALITY SYSTEM AND FINDING IT IN CONFORMANCE WITH:

Dangerous Goods Process Management Certification Program |

FOR THE FOLLOWING SCOPE OF CERTIFICATION:

Mode	Country Name	Region	Appendix Reference
Air	All Countries	Global	Tech. Instructions/ Regulations
Road/Rail	Australia (AU)	APAC	ADG

Certification Number: 21-431744-1
Certificate Issue Date: 04/27/2021
Issue Number: 1
Expiration Date: 04/27/2022

AUTHORIZED BY:

Joshua Grauso, Sr. Manager



Certification Body ID: 13-CEL48

UL Verification Services Inc.
7036 Snowdrift Road, Suite 200
Allentown, Pennsylvania 18106
United States of America
800-903-6660

The UL Logo, UL Enhanced Certification Mark, and SBCI Logo indicate satisfactory assessment against the applicable Code of Federal Regulations for the referenced certificate holder in accordance with the referenced Code of Federal Regulations, the UL Verification Services SBCI Scheme Procedures for Certification, the U.S. L.L. Agreement for Use of the Certification Mark and Logo, the SBCI SBCI Requirements for Facilities (4020) and the scope of assessment. This certificate covers the program of UL Verification Services Inc. in which it must be retained upon request. The SBCI Logo denotes the program of Supplemental Safety & Compliance Initiatives. Certification Terms are subject to revision, certification results are based on the current version.

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1535 Faraday Ave,
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Facility:
SUPPLIER LEGAL ENTITY NAME
Address

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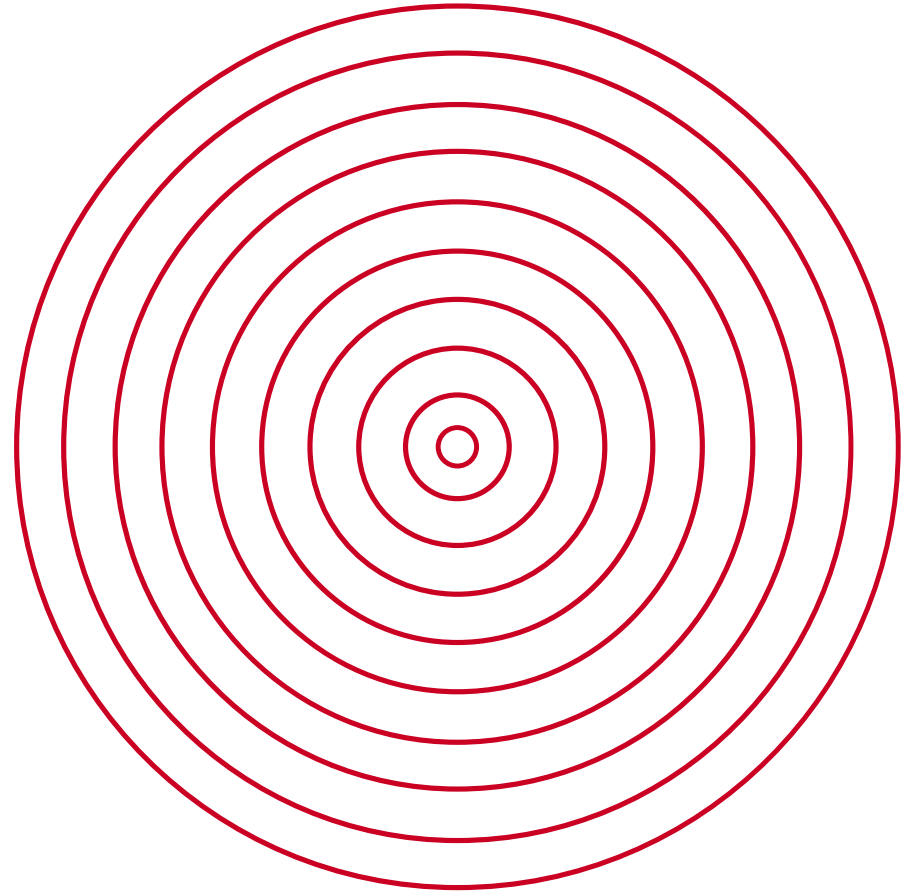
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Solutions

Industry Perspective

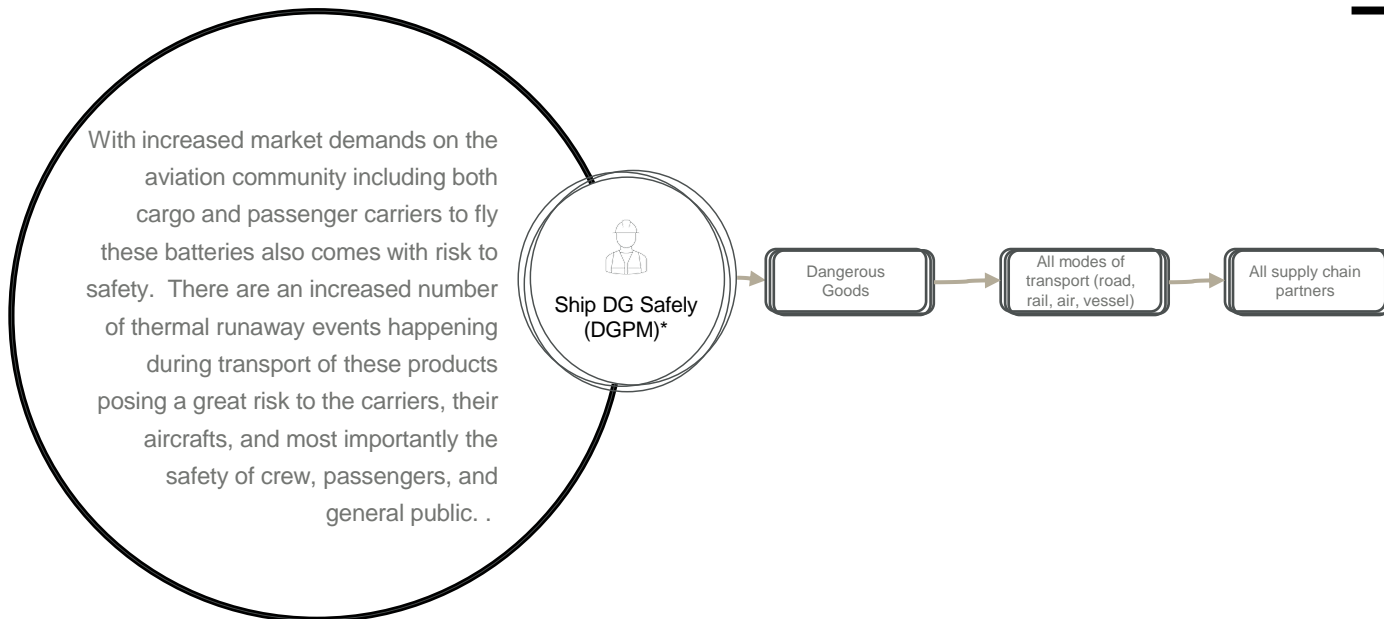
Meta Reality Labs



Meta Reality Labs – Industry Perspective

Develop and cultivate a global transportation standard for shipping dangerous goods across the network

The intention of this certification program is to demonstrate to the shipping community those companies who desire to measure not only their and that of their partners, and to also manage risk and emphasize the importance of transportation safety within their industry.



The certification program will serve to promote the safe transportation of dangerous goods through adherence to the respective transport regulations.

Objectives



Full organizational overview of shippers



Preparation for Certification Criteria/Program



Assessment through implementation of the standard



Achieve and Maintain Certification