

Welcome to Ask Me Anything: 2022 Regulation Changes

Presented by



Topics

We received your questions ahead of this seminar so we could best prepare to answer them, but as additional questions arise, please send them to us in our chat.

- Upcoming 2022 Regulation Changes (IATA) for US & UK
- Ltd. & Excepted Quantity Changes for infectious substances
- Lithium Battery updates





**CHANGE
JUST AHEAD**

2022...
and beyond!

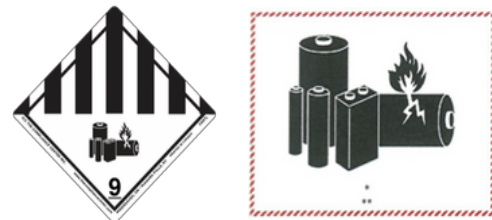
- Air
 - Lithium Batteries
- Ocean
- Highway



ICAO/IATA



Lithium Batteries by Air



BEING CONSIDERED BY ICAO FOR 2023:

Elimination of Section II

From Packing instructions 965 & 968

- Would apply to UN3480 and UN3090
- Would require a DGD for all air shipments of UN3480 & UN3090
- Would require additional training for some DG employees
- Legal enforcement January 1, 2023
- Possibly enacted by IATA in 2022

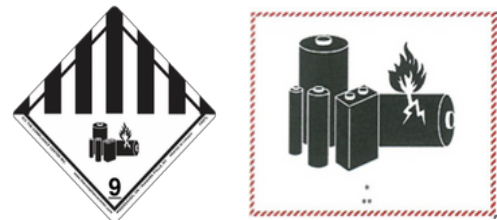
SHIPPER'S DECLARATION FOR DANGEROUS GOODS



Shipper		Air Waybill No. Page of Pages Shipper's Reference No. (optional)								
Consignee										
Two completed and signed copies of this Declaration must be handed to the operator.		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.								
TRANSPORT DETAILS This shipment is within the limitations prescribed for: (delete non-applicable) <table><tr><td>PASSENGER AND CARGO AIRCRAFT</td><td>CARGO AIRCRAFT ONLY</td></tr></table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	Airport of Departure (optional): Airport of Destination (optional): Shipment type: (delete non-applicable) <table><tr><td>NON-RADIOACTIVE</td><td>RADIOACTIVE</td></tr></table>					NON-RADIOACTIVE	RADIOACTIVE
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY									
NON-RADIOACTIVE	RADIOACTIVE									
NATURE AND QUANTITY OF DANGEROUS GOODS										
Dangerous Goods Identification				Quantity and Type of Packing	Packing Inst.	Authorization				
UN or ID No.	Proper Shipping Name	Class or Division (subsidiary hazard)	Packing Group							
Additional Handling Information										
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.										
				Name of Signatory Date Signature (See warning above)						



Lithium Batteries by Air



BEING CONSIDERED BY ICAO FOR 2023:

Performance based packaging standard specifically for lithium cells and batteries [as 6413]

- Project overseen by the society of automotive engineers [SAE International]
- Intended for UN3480 and UN3090
- Designed to contain heat and fire in the event of “thermal-runaway”
- Ongoing project – most recent target for completion spring 2022



Lithium Batteries by Air

BEING CONSIDERED BY ICAO FOR 2023:

Once 6413 project completed

G27 Options for passenger aircraft

- Option P1: Required in the Technical Instructions as a condition for carriage of lithium ions. Lithium metals remain Forbidden. (removes ban on ions)
- Option P2: Same as P1 above, but include the slash sheets to address external fire requirement.
- Option P3: Required in the Technical Instructions as a condition for carriage of both ions and metals. (removes ban on both ions and metals)
- Option P4: Added to the Supplement for use with or without external fire for Approvals/Exemptions



Lithium Batteries by Air

BEING CONSIDERED BY ICAO FOR 2023:

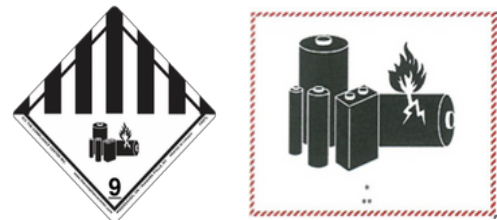
Once 6413 project completed

G27 Options for all cargo aircraft

- Option C1: Required in the Technical Instructions as a condition for carriage of both ions and metals.
- Option C2: Same as C1 above, but include the slash sheets to address external fire requirement.
- Option C3: Required in the Technical Instructions as a condition only for carriage of metals (conditions for carriage of ions would remain unchanged).
- Option C4: Same as C3 above, but include the slash sheets to address external fire requirement.
- Option C5: For use by Aircraft operator as mitigation.



Lithium Batteries by Air



BEING CONSIDERED BY ICAO FOR 2023:

New subparagraph 1.1.5.1

- Permits certain exceptions for data loggers, cargo tracking devices, etc.
- Must be activated to serve a purpose during transport
- Applies only to “small” cells & batteries (Section ii)
- Limited only to the number of devices needed

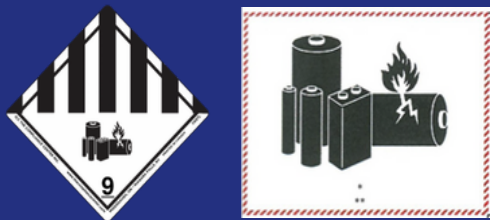




IMDG CODE



Lithium Batteries by Sea



CHANGES TO 40TH AMENDMENT (2020 EDITION)

- Damaged/defective cells & batteries must be identified as such on shipping papers (no changes to packaging requirements [5.4.1.4.3.7])

IMO DANGEROUS GOODS DECLARATION					
1 Shipper		2 Transportation Document Number			
		3 Page of Pages	4 Shipper's Reference		
6 Consignee		5 Freight Forwarder's (Schenker) Reference			
		7 Carrier (to be declared by the Carrier)			
SHIPPER'S DECLARATION I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name(s), and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
10 Vessel/Flight and Date		9 Additional Handling Information			
11 Port/Place Handling					
14 Shipping Marks	Number and Kind of Packages, Description of Goods			GW (kg)	CUBE (m3)
15 CTU ID No.	16 Seal No.	17 CTU Size and Type	18 Tare Mass (kg)		19 Total Gross Mass (kg)
CONTAINER/VEHICLE PACKING CERTIFICATE I hereby declare that the goods described above have been packed/loaded into the container/vehicle identified above in accordance with the applicable provisions.		21 Receiving Organization Receipt Received the above number of packages/containers/trailers in apparent good order and condition, unless stated hereon: RECEIVING ORGANIZATION REMARKS:			
20 Name of Company		Hauler's Name		22 Name of Company Preparing Note	
Name/Status of Declarant		Vehicle Registration No.		Name/Status of Declarant	
Place and Date		Driver Name and Date		Place and Date	
Signature of Declarant		Driver's Signature		Signature of Declarant	

Lithium Batteries by Sea



CHANGES TO 40TH AMENDMENT (2020 EDITION)

- New minimum size requirements for lithium battery mark.
Now 100mm x 100mm (was 120mm x 110mm [5.2.1.10.2])



General Changes

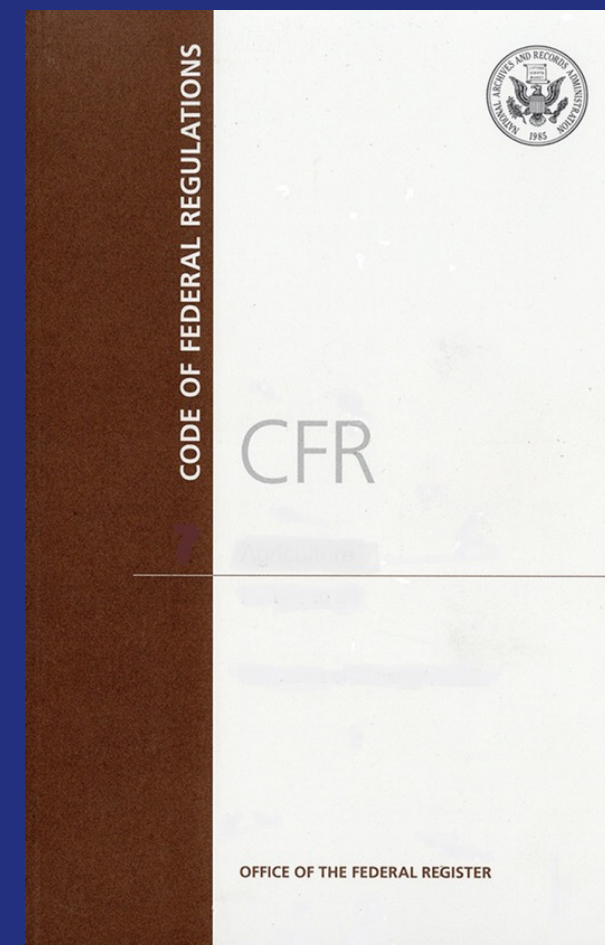
CHANGES TO 40TH AMENDMENT (2020 EDITION)

- Portable tanks containing refrigerated liquefied gases must show, on the DGD, the date that the “holding time” ends. [5.4.1.5.18]





49 CFR



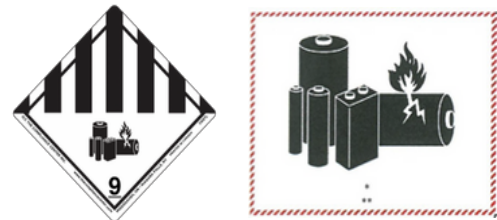
General Changes

PROPOSED RULEMAKING – HM-215P

- Mainly intended to remain harmonized with various UN standards
- Includes those ocean specific changes already in the 40th amendment of IMDG code
- New/revised proper shipping names (“infectious medical waste” [UN3549])
- Comments must be submitted to PHMSA by **October 12, 2021**



Lithium Batteries by Ground



**TEST SUMMARY REQUIREMENT BECOMES LEGALLY
ENFORCEABLE ON JANUARY 01, 2022 [173.185(A)]**

- Already in the IATA DGR [3.9.2.6(g) & IMDG Code [2.9.4.7]
- Should be obtainable via supply chain back channels
- Must contain the required information of 173.185(a)(3)
- Must be made available to transportation authorities and carriers, cargo handlers, etc., upon request
- Original may be required [china]





Q&A

GO

A close-up photograph of a computer keyboard. The focus is on a large, orange, rectangular key with the word "help" written in white, lowercase, sans-serif font. The key is slightly raised and has a glossy finish. In the background, several other keys are visible, including a blue key with a minus sign and a blue key with a backslash/underscore symbol. The lighting is soft, creating subtle shadows and highlights on the keys.

Thank you for attending!

We hope this session has provided you with all the information you need to begin preparing for the 2022 regulation changes, but as new updates are released, you can contact our helpful training team for further clarification & assistance at training@alltranspack.com

For news and information on upcoming trainings & events, visit our new website:

