

Dangerous Goods Process Management Certification Program  
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### **Abstract**

With increased market demands on the aviation community including both cargo and passenger carriers to fly these batteries also comes with risk to safety. There are an increased number of thermal runaway events happening during transport of these products posing a great risk to the carriers, their aircraft, and most importantly the safety of crew, passengers and general public.

The prolific nature of batteries in commerce makes it extremely difficult for carriers to determine which products have been manufactured, tested and shipped in a way that would mitigate much of the risks for flight and which ones have not. In addition the carriers are relying on the manufacturers and shippers to follow regulatory guidelines for battery testing, shipping and labeling which has proven to be a major challenge resulting in undeclared or mis-declared packages.

UL Solutions has developed a Dangerous Goods Process Management Certification Program open to all interested organizations who are involved in the transportation of dangerous goods by road, rail, air or vessel. The purpose of the Certification audit program is to assess the extent to which an organization's management system(s) and processes comply with the applicable transportation regulations, agreements, codes of practice and/or legislation as they pertain to transportation of dangerous goods that are developed, manufactured, sourced, packaged, stored and offered for transport [forward and reverse pathways] by, or on behalf of the organization.

The scope of the audits include access to documentation, applicable functional and physical areas, records, non-compliance and complaint investigations, and any appropriate personnel (including subcontractors) associated with the scope of the Dangerous Goods Process Management Certification Program audit.

Meta Reality Labs, as a manufacturer of li battery containing electronic devices, will provide their perspective as a first adopter of this certification program.