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Date of Request: November 16, 2022

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UL 2054 Table 8.1 and 8.2

https://www.shopulstandards.com/ProductDetail.aspx?productId=UL2054_3_S_20211117

UL 2580 Table 18.1 and 18.1 continued

https://www.shopulstandards.com/ProductDetail.aspx?productId=UL2580_3_S_20200311

UL 9540A Figure 1.1

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To be published as a third year undergraduate project report (the Interactive Qualifying Project hyper linked below) into the WPI digital library by May, 2023, publicly available and potentially distributed internally by the United States Coast Guard, the sponsor of this student project.

Title: RECOMMENDING MEASURES FOR PREVENTING AND RESPONDING TO LITHIUM-ION BATTERY FIRES AT SEA

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The figure and tables from the UL standards will be used to supplement the background research section of an Interactive Qualifying Project to be submitted as a graduation requirement to Worcester Polytechnic Institute. The project, RECOMMENDING MEASURES FOR PREVENTING AND RESPONDING TO LITHIUM-ION BATTERY FIRES AT SEA, will include a background section which identifies the components, structure, and with the permission of UL, standards used to test the safety and integrity of, lithium-ion batteries. The reference to the UL standards in the paper will involve the identification that testing requirements exist for lithium-ion batteries, leading readers to the figure and tables shortly thereafter which demonstrate the battery testing for household and commercial batteries, electric vehicle batteries, and battery energy storage systems.

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Title: Associate Dean
Date: The Global School
WPI
Nov. 16, 2022

AGREED AND ACCEPTED BY:
ULSE INC.



Name:

Title: Standards Manager

Date: Nov. 17, 2022