



DANGEROUS GOODS PANEL (DGP)

TWENTY-SIXTH MEETING

Montréal, 16 to 27 October 2017

Agenda Item 6: Resolution, where possible, of the non-recurrent work items identified by the Air Navigation Commission or the panel:

6.3: Mitigating risks posed by the carriage of lithium batteries by air (*Job card DGP.003.01*)

NEW DANGEROUS GOODS LIST ENTRY FOR “LITHIUM BATTERIES INSTALLED IN CARGO TRANSPORT UNIT” (UN 3536)

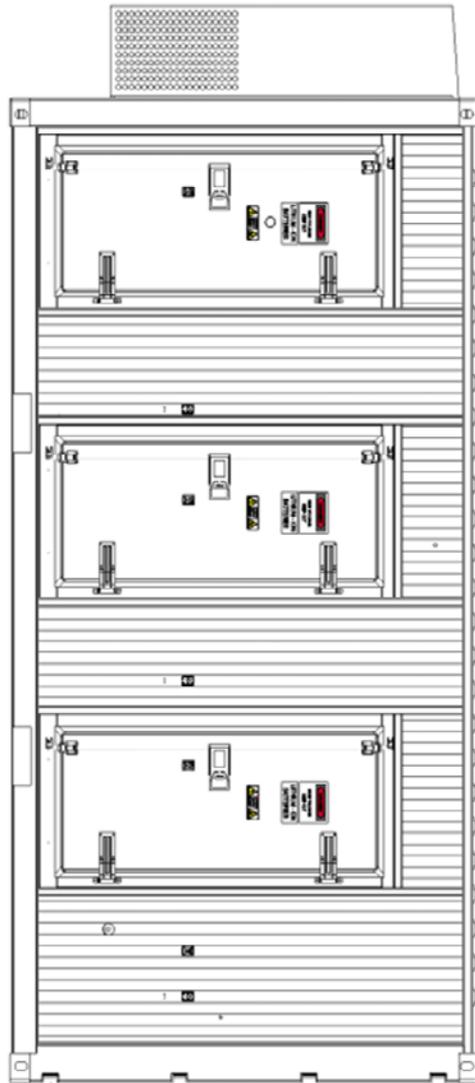
(Presented by PRBA – The Rechargeable Battery Association)

SUMMARY

This Information Paper is intended to support WP/48 regarding the new dangerous goods list entry for “Lithium Batteries Installed in Cargo Transport Unit” (UN 3536) and provide information on these products for the benefit of the DGP.

APPENDIX

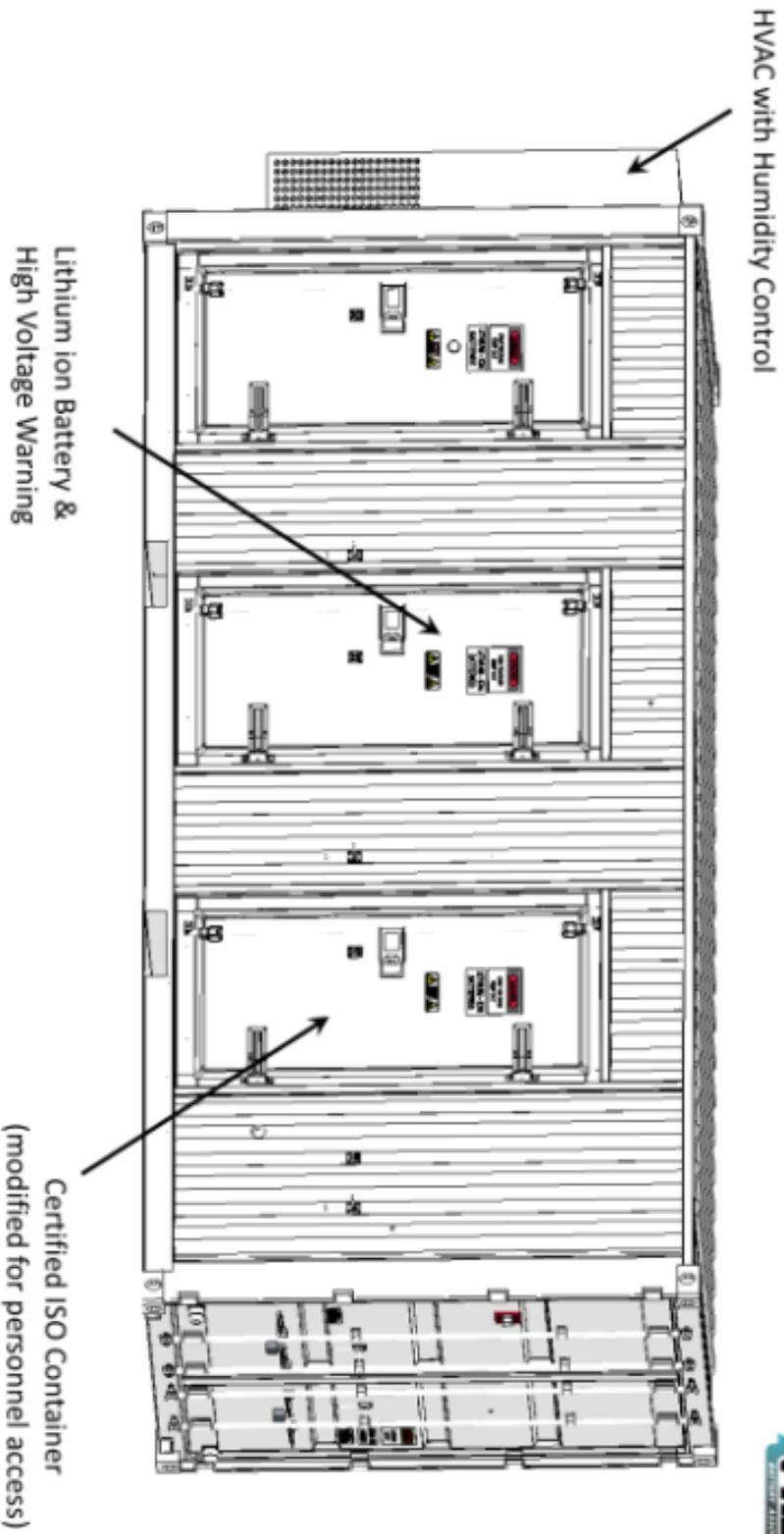
MECHANICAL DRAWINGS



20 foot (6 meter) ISO Container: Compliant to - International Convention for Safe Containers (CSC)

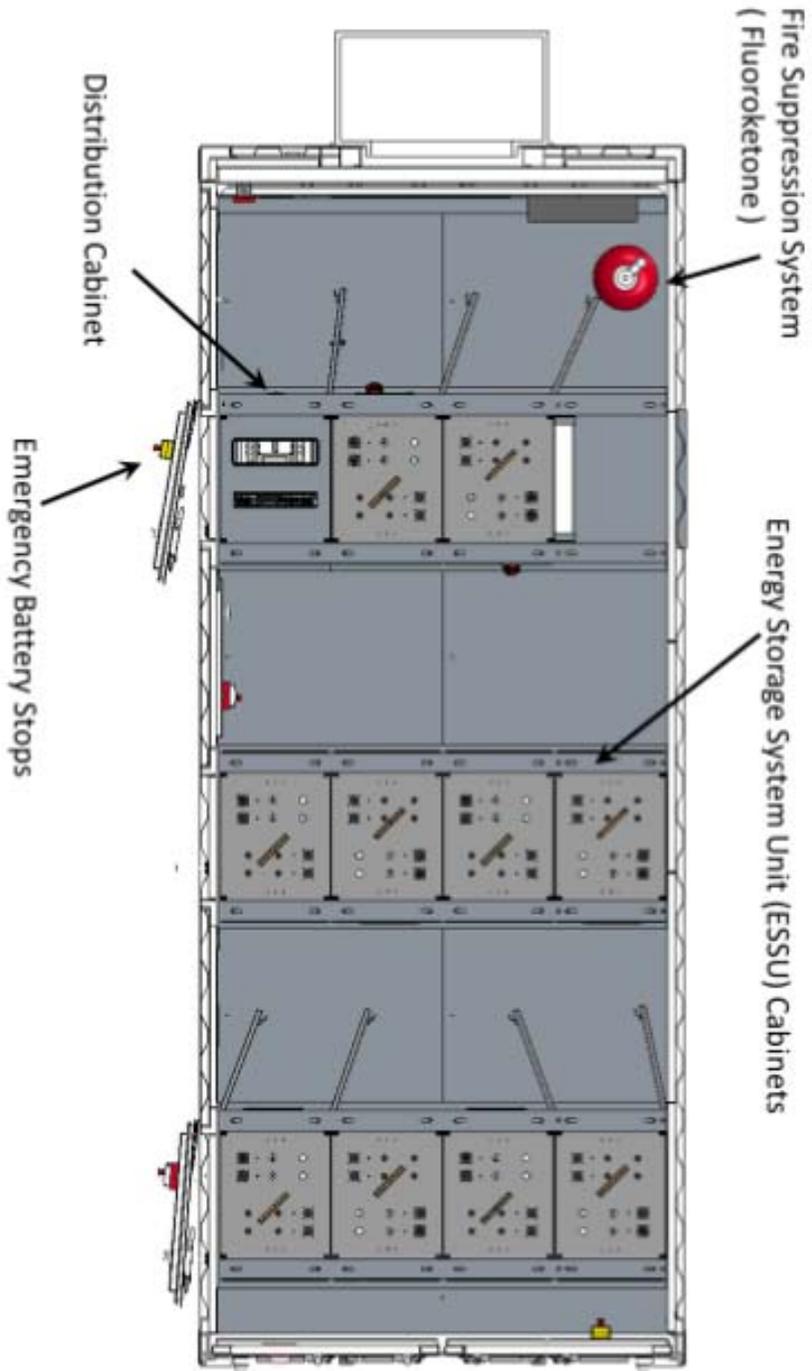


Drawings courtesy of Sofit



Drawings courtesy of Saft

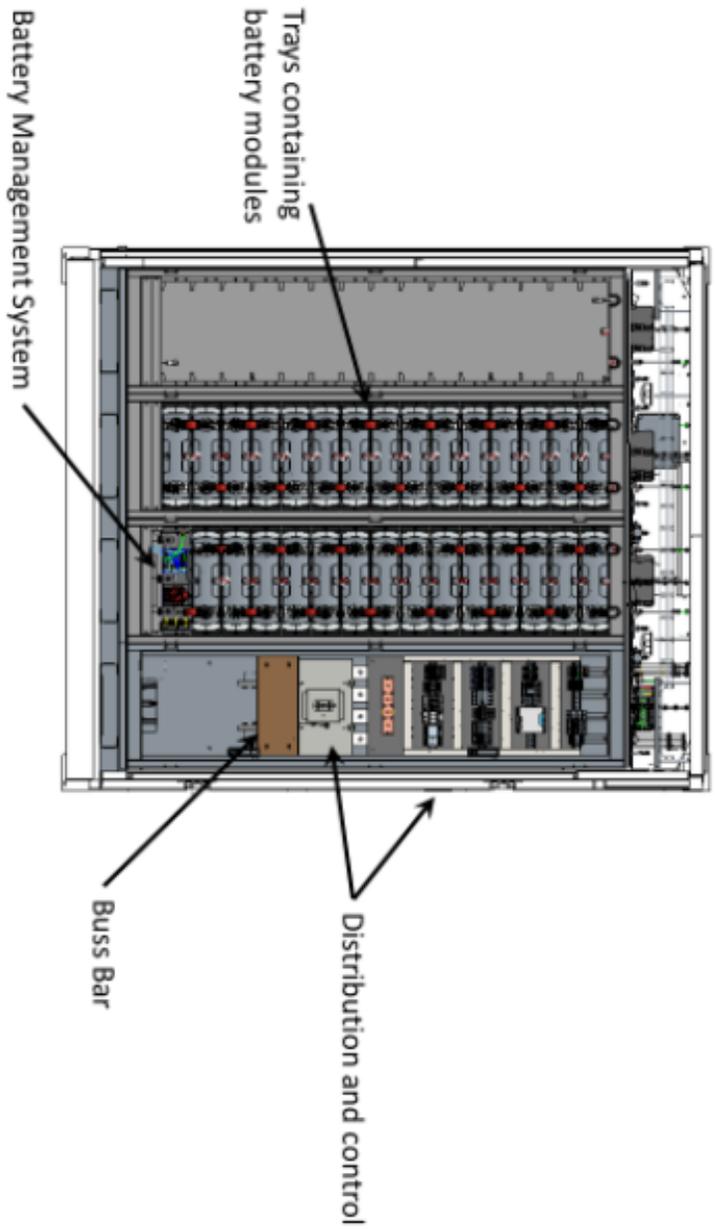




Drawings courtesy of Saft



Typical ESSU Cabinet and Distribution Cabinet



Drawings courtesy of Soft





- HVAC: Heating, Ventilation, Air Conditioning
- Buss Bar: An electrical junction in which all the incoming and outgoing electrical current meets.
- Battery Management System: Electronic system that manages assembly of batteries by protecting the assembly from operating outside its safe operating zone.
- Battery Module: A lithium ion “battery” comprised of lithium ion cells that serves as the building block for a large assembly of batteries. Also commonly used in electric vehicles.

A-5

Drawings courtesy of Saft

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