DEFINITIONS

A battery is defined as any device or assembly of one or more electrochemical cells. The term "battery" means two or more cells or batteries which are electrically connected together and fitted with devices necessary for use, for example, case, terminals, case, terminals or protector devices. Individual lithium cells or batteries may be electrically connected in series, parallel, or series-parallel combinations. A battery pack is a battery whose individual cells are permanently interconnected and enclosed in a case. A battery pack or a battery may be referred to as a "battery." The term "lithium battery" refers to a family of different chemistries, comprising many types of cathodes and electrolytes. For the purposes of the Regulations they are separated into:

- Lithium cells or batteries meeting the requirements in this section are not subject to other additional requirements of these Regulations except for:
  - loading of cargo aircraft (9.3.4);
  - transport of dangerous goods in passenger aircraft (9.3.5.1);
  - damage to cells or batteries contained therein;
  - marking and labeling requirements.

- Cells and batteries must be packed in inner packagings that completely enclose the cell or battery. To provide protection from damage or compression to the batteries, the inner packagings must be placed in a strong outer package of UN3480, UN3090, UN3480 or UN3090 class 9, as applicable, for the purposes of these Regulations unless otherwise approved by the competent authority.

- All cells and batteries must be placed in inner packagings that completely enclose the cell or battery. To provide protection from damage or compression to the batteries, the inner packagings must be placed in a strong outer package of UN3480, UN3090, UN3480 or UN3090 class 9, as applicable, for the purposes of these Regulations unless otherwise approved by the competent authority.

- The Watt-hour rating of lithium battery must be marked on the outside case except where the package dimensions are adequate to show the "Watt-hour capacity" box. For the purposes of the Regulations, the batteries and cells and the battery cells and battery units must be subject to the requirements in this section.

- Each cell and battery must meet the provisions of 3.9.2.6 (a) and (e).

- Lithium cells or batteries meeting the requirements in this section are not subject to other additional requirements of these Regulations except for:
  - loading of cargo aircraft (9.3.4);
  - transport of dangerous goods in passenger aircraft (9.3.5.1);
  - damage to cells or batteries contained therein;
  - marking and labeling requirements.

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- The Watt-hour rating of lithium battery must be marked on the outside case except where the package dimensions are adequate to show the "Watt-hour capacity" box. For the purposes of the Regulations, the batteries and cells and the battery cells and battery units must be subject to the requirements in this section.
### Definitions, Classification, Packing, Marking, Labelling and Documentation of Lithium Ion/Metal Batteries Contained in Equipment or Packed with Equipment (UN 3481/UN 3091)

#### Definitions
- **Battery** means any source or unit of electrical energy, power or electricity that includes a device or apparatus for which the lithium cells or batteries will provide electrical power for its operation.
- **Lithium metal and lithium alloy batteries** (including lithium polymer batteries) Lithium batt A99
- **Lithium ion batteries** (sometimes abbreviated Li-ion batteries) are a type of secondary (rechargeable) battery commonly used in consumer electronics. Also included within lithium-ion batteries are lithium-polymer batteries.

#### General Requirements
- **Cells and Batteries** means any source of electrical energy, power or electricity that includes a device or apparatus for which the lithium cells or batteries will provide electrical power for its operation.
- **Lithium metal and lithium alloy batteries** (including lithium polymer batteries) Lithium batt A99
- **Lithium ion batteries** (sometimes abbreviated Li-ion batteries) are a type of secondary (rechargeable) battery commonly used in consumer electronics. Also included within lithium-ion batteries are lithium-polymer batteries.
- **Battery** means any source or unit of electrical energy, power or electricity that includes a device or apparatus for which the lithium cells or batteries will provide electrical power for its operation.
- **Single cell battery** means a single encased electrochemical unit (one positive and one negative electrode) which exhibits a voltage differential across its two terminals, and may contain protective devices.
- **Battery** means any source or unit of electrical energy, power or electricity that includes a device or apparatus for which the lithium cells or batteries will provide electrical power for its operation.
- **Battery pack** means two or more cells that are commonly referred to as “battery packs”, “modules” or “battery assemblies” having the primary function of providing an electric source to another piece of equipment.

#### Role of Lithium Batteries
- **Lithium ion batteries (sometimes abbreviated Li-ion batteries) are a type of secondary (rechargeable) battery commonly used in consumer electronics. Also included within lithium-ion batteries are lithium-polymer batteries.**
- **General Packing Requirements** of 5.0.2 must be met.
- **The number of cells or batteries in each package must not exceed the appropriate number for the equipment’s operations, plus two spares.**
- **The equipment must be secured against movement within the outer packaging and must be equipped with an effective means of preventing accidental activation of the cells or batteries (for “packed with” only).**
- **The words “Lithium ion batteries, in compliance with Section II of PI966” must be placed on the air waybill, when an air waybill is used.**
- **The words “Lithium metal batteries, in compliance with Section II of PI969” must be placed on the air waybill, when an air waybill is used.**

#### Acceptance Check List

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#### Training
- **Employees handling or offering Lithium batteries for transport must receive adequate instruction on these requirements consistent with their responsibilities.**
- **Information on adequate instruction can be found in subsection 1.6**

#### Documentation
- **The equipment must be secured against movement within the outer packaging and must be equipped with an effective means of preventing accidental activation of the cells or batteries (for “packed with” only).**
- **The number of cells or batteries in each package must not exceed the appropriate number for the equipment’s operations, plus two spares.**
- **The equipment must be secured against movement within the outer packaging and must be equipped with an effective means of preventing accidental activation of the cells or batteries (for “packed with” only).**
- **The words “Lithium ion batteries, in compliance with Section II of PI966” must be placed on the air waybill, when an air waybill is used.**
- **The words “Lithium metal batteries, in compliance with Section II of PI969” must be placed on the air waybill, when an air waybill is used.**

### ADDITIONAL REQUIREMENTS

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### General Requirements
- **Lithium metal and lithium alloy batteries** (including lithium polymer batteries)
- **Lithium ion batteries** (sometimes abbreviated Li-ion batteries)

#### PACKING
- **Cells and batteries** means any source or unit of electrical energy, power or electricity that includes a device or apparatus for which the lithium cells or batteries will provide electrical power for its operation.
- **Lithium metal and lithium alloy batteries** (including lithium polymer batteries)
- **Lithium ion batteries** (sometimes abbreviated Li-ion batteries)
- **Battery** means any source or unit of electrical energy, power or electricity that includes a device or apparatus for which the lithium cells or batteries will provide electrical power for its operation.
- **Battery pack** means two or more cells that are commonly referred to as “battery packs”, “modules” or “battery assemblies” having the primary function of providing an electric source to another piece of equipment.

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