



# ICAO DGP/25 – An overview

Micheline Paquette  
Inspector, Dangerous Goods Standards





# ICAO Technical Instructions 2017-2018 – An overview

## Development of ICAO TI

- New edition every 2 years
- Usually 3 meetings during biennium
- Multiple addenda/corrigenda



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## Part 2 – Classification

Options for shippers who have identified that a substance listed by name in Table 3-1 meets classification criteria that is not identified in the list, consign the substance:

- under generic or n.o.s. entry reflecting all hazards; or
- under the same UN number and name but with extras

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## A21 – battery powered equipment and vehicles





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## Special Provisions

**A181** specifies description on dangerous goods transport document, packing instruction and quantity limits.

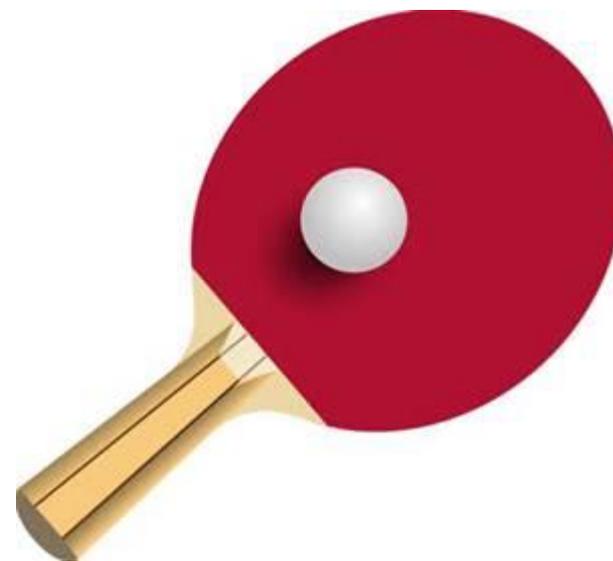
**A202** radiation detectors containing inert gas in non-refillable cylinders

**A203** vehicle powered by flammable liquid and flammable gas internal combustion engine – assigned to UN3166 –  
**Vehicle, flammable gas powered**



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**A205** – table tennis balls not subject to TI if  $\leq 3\text{g}$  each and  $\leq 500\text{g}$  per package



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**A206** – Class 9 label may be used until 31 Dec. 2018





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## Engines and vehicles

**UN 3166 Engine, flammable gas powered**

**UN 3166 Engine, flammable liquid powered**

**UN 3166 Engine, fuel cell, flammable gas powered**

**UN 3166 Engine, fuel cell, flammable liquid powered**

**UN 3166 Vehicle, flammable gas powered**

**UN 3166 Vehicle, flammable liquid powered**

**UN 3166 Vehicle, fuel cell, flammable gas powered**

**UN 3166 Vehicle, fuel cell, flammable liquid powered**



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## Engines and machinery

UN3528, **Engine, internal combustion, flammable liquid powered**

UN3528, **Engine, fuel cell, flammable liquid powered**

UN3528, **Machinery, fuel cell, flammable liquid powered**

UN3528, **Machinery, internal combustion, flammable liquid powered**

UN3529, **Engine, internal combustion, flammable gas powered**

UN3529, **Engine, fuel cell, flammable gas powered**

UN3529, **Machinery, fuel cell, flammable gas powered**

UN3529, **Machinery, internal combustion, flammable gas powered**

UN3530, **Machinery, internal combustion**

UN3530, **Engine, internal combustion**

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**A207** – vehicles are shipped as UN3166 (including hybrids) and vehicles powered by batteries only are shipped as UN3171





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## **A208** – how to classify engines and machinery

- UN3528, if it contains fuels that meet Class 3
- UN3529, if it contains fuels that meet Division 2.13
- UN3530, if it contains fuels that are environmentally hazardous

Note: Shippers may identify engines as UN3166 until March 31 2017



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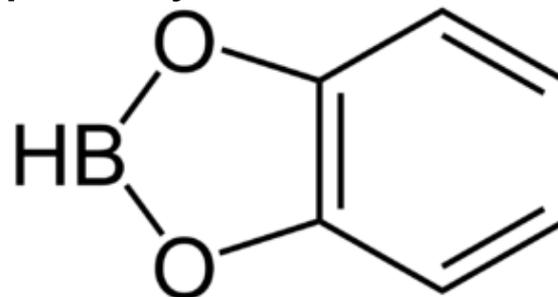
## A209

Chemically unstable substances of Class 2, 3, 6.1, 8 are forbidden for transport unless chemical stabilization is employed

## A210

Catecholborane prohibited from transport by aircraft.

*Prohibition came into effect January 15 2016 (add. 3)*





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## A211 and A212

Sterilization Devices Containing Nitrogen Dioxide, Nitric Oxide or Nitric Acid





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## Part 4 - Packing instructions

- Large packaging
- PI aerosols and gas cartridges
- PI952 small battery powered vehicles and equipment



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## PI 965 & PI 968

Starting April 1 2016:

- Lithium ion batteries (UN3480) are prohibited as cargo on passenger aircraft.
- Lithium ion batteries as cargo on cargo aircraft must be offered for transport at a state of charge of 30%
- Section II of 965 & PI 968
  - one package per consignment
  - package/overpack offered to operator separately from other cargo
  - one package per overpack



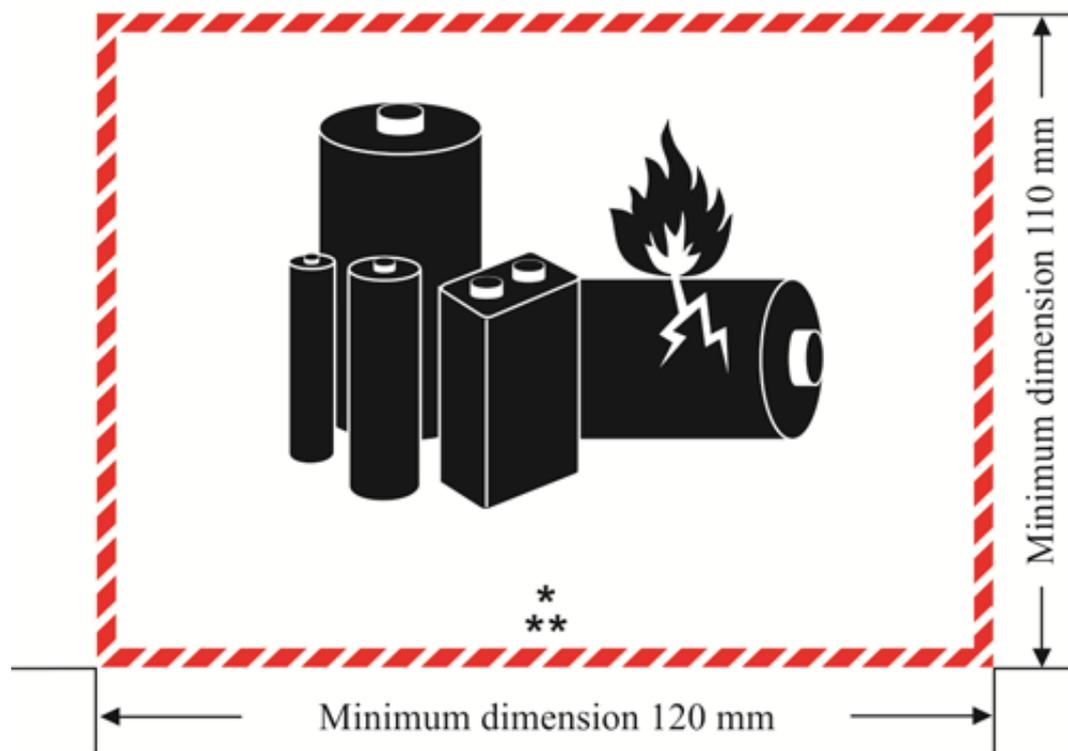
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## PI 966, 967, 969 & 970 Battery packed with equipment



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## Lithium battery mark



\* UN number

\*\* Telephone number

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## Part 8 – Provisions concerning passengers and crew

- E-cigarettes



- Clinical/medical thermometers containing mercury



- Active baggage tags fitted with lithium batteries





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**The end**