

-Official Emblem-

Notification of The Civil Aviation Authority of Thailand
Re.: Prescribing Classification and Lists of Dangerous Goods Which May Endanger
the Safety of Aircraft or Persons on Board Aircraft B.E. 2562 (2019)

By virtue of Section 15/28 (1) of the Air Navigation Act B.E. 2497 (1954) and amended by the Air Navigation Act (No.14) B.E. 2562 (2019), the Director General of the Civil Aviation Authority of Thailand, therefore issuing notification to prescribe classification and lists of dangerous goods which may endanger the safety of aircraft or persons on board aircraft, as follows;

Article 1. Dangerous goods classes which may endanger the safety of aircraft or persons on board aircraft as follows:

(1) Class 1 : Explosives can be categorized into divisions as follows:

Division 1.1 Substances and articles which have a mass explosion hazard;

Division 1.2 Substances and articles which have a projection hazard but not a mass explosion hazard;

Division 1.3 Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard;

Division 1.4 Substances and articles which present no significant hazard;

Division 1.5 Very insensitive substances which have a mass explosion hazard

Division 1.6 Extremely insensitive articles which do not have a mass explosion hazard

(2) Class 2 : Gases can be categorized into divisions as follows:

Division 2.1 Flammable gases;

Division 2.2 Non-flammable, non-toxic gases;

Division 2.3 Toxic gases

(3) Class 3 : Flammable Liquids

(4) Class 4 : Flammable Solids; substances liable to spontaneous combustion, substances which, on contact with water, emit flammable gases, can be categorized into divisions as follows:

Division 4.1 Flammable Solids, self-reactive and related substances and solid desensitized explosives and polymerizing substances;

Division 4.2 Substances liable to spontaneous combustion;

Division 4.3 Substances which, in contact with water, emit flammable gases

(5) Class 5 : Oxidizing Substances and Organic Peroxides can be categorized into divisions as follows:

Division 5.1 Oxidizing Substances;

Division 5.2 Organic Peroxides

(6) Class 6 : Toxic and Infectious Substances can be categorized into divisions as follows:

Division 6.1 Toxic Substances;

Division 6.2 Infectious Substances

(7) Class 7 : Radioactive Material

(8) Class 8 : Corrosive Substances

(9) Class 9 : Miscellaneous dangerous substances and articles, including environmentally hazardous substances which, during air transport, may endanger the safety of an aircraft and persons on board an aircraft, that is not classified under (1) – (8) and to be in accordance with notifications prescribed by the Director General.

Article 2. The lists of dangerous goods that may endanger the safety of aircraft or persons on board an aircraft under Article 1 shall be complied with Dangerous Goods List that prescribed in Technical Instructions for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that in force at the time of transport.

Article 3. Dangerous goods classes under Article (1) that carried on board an aircraft to the following, are excepted from being considered as dangerous goods that may endanger the safety of aircraft or persons on board an aircraft:

(1) substances and articles that carried on board an aircraft in accordance with the airworthiness requirements and operating regulations, or other requirements prescribed by the Director General;

(2) aerosols, alcoholic beverages, perfumes, colognes, liquefied gas lighters, and portable electronic devices containing lithium metal or lithium ion cells or batteries that carried by the air operator for use or sale on board the aircraft during a flight or series of flight, but excluding non-refillable gas lighters and those lighters liable to leak when exposed to reduced pressure, shall be complied with the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that is in force at the time of transport;

(3) dry ice that air operators carry on board an aircraft to use for in-flight food and beverage service;

(4) electronic devices, such as Electronic Flight Bags, Personal Entertainment Devices, and Credit Card Readers containing lithium metal or lithium ion cells or batteries and spare lithium batteries for such devices carried on board an aircraft by the air operator for use during a flight or series of flight, provided that the batteries shall be complied with the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that is in force at the time of transport. Spare lithium batteries shall individually protected so as to prevent short circuits when not in use. The air operator shall establish procedures regarding conditions for carriage and use of these electronic devices, including carriage of spare batteries in the operations manual or other appropriate manuals that will enable crew members and other personnel to carry out their responsibilities;

(5) substances and articles that carried on board an aircraft by passengers or crew members for personal use as carry-on baggage or checked baggage in quantities or amounts specified in the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that is in force at the time of transport;

(6) substances and articles intended as replacement to the following:

(a) substances and articles intended for use as replacements of substances and articles under (1) or substances and articles under (1) that have been removed for replacement, shall be complied with the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that in force at the time of transport, or stowed in specific containers that designed for their transport, and provided such containers are capable of meeting at least the standards prescribed in the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that in force at the time of transport;

(b) substances and articles intended for use as replacements of substances and articles under (2) and (3) shall be complied with the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that in force at the time of transport;

(c) Battery-powered devices with installed or contained battery and spare batteries intended for use as replacements of devices under (4) shall be complied with the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that in force at the time of transport;

Article 4. This Notification shall come into force starting from now onward.

Issued on 28 October B.E. 2562 (2019)

-Signature-

Chula Sukmanop

Director General

The Civil Aviation Authority of Thailand