INTERNATIONAL CIVIL AVIATION ORGANIZATION

TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT OF DANGEROUS GOODS BY AIR

2011-2012 EDITION

ADDENDUM NO. 1

The attached addendum should be incorporated into the 2011-2012 Edition of the Technical Instructions (Doc 9284).

(2 pages)
TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT
OF DANGEROUS GOODS BY AIR

The following amendments are approved and published by decision of the Council of ICAO and should be incorporated in the 2011-2012 Edition of the Technical Instructions (Doc 9284):

In Part 4, Chapter 7, page 4-7-9, Packing Instruction 565:

Second line, amend to read: “Cargo aircraft for UN 3356 only”.

“COMBINATION PACKAGINGS” table, “Total quantity per package — cargo” column, amend value to read “25 kg”.

ADDITIONAL PACKING REQUIREMENTS FOR COMBINATION PACKAGINGS, replace with the following:

ADDITIONAL PACKING REQUIREMENTS FOR COMBINATION PACKAGINGS

a) The generator, without its packaging, must be capable of withstanding a 1.8 m drop test onto a rigid, non-resilient, flat and horizontal surface, in the position most likely to cause actuation, without loss of its contents and without actuation. For portable breathing equipment (PBE), which are in a vacuum-sealed bag as part of their containment system, this test may be conducted on the PBE in the vacuum-sealed bag.

b) When a generator is equipped with an actuating device, it must have at least two positive means of preventing unintentional actuation as follows:

1) mechanically actuated devices:
   i) two pins, installed so that each is independently capable of preventing the actuator from striking the primer;
   ii) one pin and one retaining ring, each installed so that each is independently capable of preventing the actuator from striking the primer; or
   iii) a cover securely installed over the primer and a pin installed so as to prevent the actuator from striking the primer and cover.

2) electrically actuated devices: The electrical leads must be mechanically shorted and the mechanical short must be shielded in metal foil;

3) for PBE:
   i) a pin so as to prevent the actuator from striking the primer; and
   ii) placed in protective packaging such as a vacuum-sealed bag;

c) The generator(s) must be transported in a package which will meet the following requirements when one generator in the package is actuated:

1) other generators in the package will not be actuated;

2) packaging material will not ignite; and

3) the outside surface temperature of the completed package will not exceed 100°C.

Note.— To enable tests 1), 2) and 3) to be conducted on PBE, it is acceptable to break the vacuum-sealed bag to actuate the generator before placing it in the package.

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