

CIVIL AVIATION AUTHORITY, BANGLADESH

AIR NAVIGATION ORDERS

FLIGHT OPERATIONS REQUIREMENTS

PART – E –MEDICAL SUPPLIES ON BOARD AN AIRCRAFT

SUB-PART OPS E.7	AIRCRAFT FIRST AID KITS, UNIVERSAL PRECAUTION KITS AND EMERGENCY MEDICAL KITS
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1. GENERAL

- 1.1 This Order prescribes the requirements for the carriage of First aid kit, Universal precaution kit and Emergency Medical kit on Bangladesh aircraft, and for the Design standards and certification thereof.

2. REQUIREMENTS – FIRST AID KITS

- 2.1 Unless otherwise approved by the Chairman, no Bangladeshi registered aircraft shall be flown unless it is equipped for the treatment of injuries or medical emergencies likely to occur in flight or in minor accidents with the following number of first aid kits appropriate to the number of passengers which the aircraft is authorized to carry.

Passengers	First– aid kits
0 – 100	1
101 - 200	2
201 – 300	3
301 – 400	4
401 – 500	5
More than 500	6

- 2.2** Each first aid kit shall be stored inside the aircraft:
- 2.2.1 In locations that are appropriately and conspicuously marked in Bangla and English and are readily accessible to the cabin crew members.
- 2.2.2 As close as practicable to an aircraft exits should their use be required outside the aircraft in an emergency situation.
- 2.2.3 To be distributed evenly throughout the aircraft. One or more first aid kits to be used by cabin crew in managing incidents of ill health.
- 2.3** Each first aid kit shall contain a first aid handbook written in English, an inventory of contents affixed to the inside of the lid and at least the followings:
- (1) 20 Antiseptic swabs (10/pack)
 - (2) 2 Bandage: adhesive strips
 - (3) 4 Bandage : Gauze 7.5cm x 4.5cm
 - (4) 4 Bandage : Triangular, safety pins (1 dozen)
 - (5) 6 Dressing: burn 10cmx10cm
 - (6) 4 Dressing compress: sterile, 7.5x12cm
 - (7) 4 Dressing Gauze: sterile, 10.4cmx10.4cm
 - (8) 2 Tape: adhesive 2.5cm roll
 - (9) 10 Steri-strips (or equivalent adhesive strip)
 - (10) Hand Cleanser (Chlorhexidine gluconate)
 - (11) Pad with shield for eye
 - (12) 1 Scissors: 10 cm
 - (13) 1 Tape : Adhesive,surgical,1.2cm x 4.6
 - (14) 1pair Tweezers
 - (15) Disposable Gloves (multiple pairs)
 - (16) Thermometers (non – mercury)
 - (17) Mouth to mouth resuscitation mask
 - (18) 1 First –aid Manual
 - (19) 10 Incident record form
 - (20) 10 Tablet Paracetamol
 - (21) 10 Tablet Antiemetic
 - (22) 1 Nasal decongestant drop
 - (23) 10 Tablet Antacid
 - (24) 10 Tablet Antihistamine
- 2.4** Daily use first aid pouch

2.4.1 In addition to the above mentioned kit, the operators for their own convenience may maintain a daily use first aid pouch by the head of the cabin services during flying.

3. REQUIREMENTS – UNIVERSAL PRECAUTION KITS

- 3.1 No person shall operate an aircraft that requires a cabin crew member unless it is equipped with at least one universal precaution kit.
- 3.2 The universal precaution kit shall be used by the operating cabin crew in managing incidents of ill health associated with a case of suspected communicable disease, or in the case of illness involving contact with body fluids.
- 3.3 Universal precaution kits should be distributed as evenly as practicable throughout the passenger cabins so that they are readily accessible to cabin crew members.
- 3.4 Each aircraft shall carry universal precaution kits accordance with the following:
 - 3.4.1 One universal precaution kit where the aircraft carries less than 250 passengers
 - 3.4.2 Two universal precaution kits where the aircraft carries more than 250 passengers
 - 3.4.3 Additional kits, as determined by CAAB, at times of increased public health risk, such as during the outbreak of a serious communicable disease having pandemic potential.
- 3.5 Each Universal Precaution Kit shall contain basic instruction for its use and an inventory of contents as follows :
 - (1) Dry Antiseptic Powder that convert small liquid spill into a sterile granulated gel
 - (2) Germicidal disinfectant for surface cleaning
 - (3) 20 Skin wipes
 - (4) Face /Eye Mask (multiple pairs)
 - (5) Disposable Gloves (multiple pairs)
 - (6) Protective Apron (As per the number of cabin crew)
 - (7) Large absorbent disposable towel
 - (8) Pick up Scoop with Scraper
 - (9) Biohazard bag
 - (10) Instruction book.

4. REQUIREMENTS – EMERGENCY MEDICAL KIT

- 4.1 No person may operate a Bangladesh registered passenger aircraft with 30 seats or more, or any international flight unless it is equipped with an approved emergency medical kit for treatment of injuries or medical emergencies that might occur during flight time or in minor accidents.

- 4.2 The emergency medical kit shall be stored securely in a clearly marked location readily accessible to crew member, and in a manner to keep it free from dust, moisture and temperature extremes.
- 4.3 The emergency medical kit is to be used by the advice of medical doctor or other qualified persons in treating in - flight medical emergencies.
- 4.4 The emergency medical kit shall contain basic instructions for the use of drugs in the kit and an inventory of contents as follows:

Equipment:

- (1) 1 Stethoscope
- (2) Electronic sphygmomanometer
- (3) 3 airways, Oropharyngeal (3 sizes)
- (4) 4 syringes (sizes appropriate to drugs to administer)
- (5) 6 needles (sizes appropriate to drugs to administer)
- (6) 4 Intravenous Catheters (appropriate range of sizes)
- (7) 20 Antiseptic wipes
- (8) Gloves disposable (multiple pairs)
- (9) 1 Needle disposable box
- (10) Urinary Catheter
- (11) 2 System for delivering intravenous fluids
- (12) 2 Venous Tourniquet
- (13) Sponge gauze
- (14) 2 Tape - adhesive (1 inch)
- (15) Surgical mask (multiple pairs)
- (16) Emergency tracheal catheter (or large gauge intravenous cannula)
- (17) Umbilical Cord Clamp
- (18) Thermometers (non – mercury)
- (19) Basic life support cards
- (20) Bag-valve mask
- (21) Flash light and batteries

Note: Cardiac monitor (As per company policy)

Medication:

- (1) 2 epinephrine 1:1000 single dose ampoule
- (2) Injection Antihistamine (Pheniramine Maleate single dose)
- (3) 1 Dextrose 50% (50 ml)
- (4) 5 nitroglycerine tablets
- (5) 2 Major analgesic like Diclofenac Sodium injection
- (6) 2 Sedative anticonvulsant injection
- (7) 2 Antiemetic injection

- (8) 1 bronchodilator inhaler
- (9) 2 atropine injection
- (10) 2 adrenocortical steroid injection
- (11) 2 Injection diuretic
- (12) 10 caps for postpartum bleeding (Tranexamic acid)
- (13) 0.9% Sodium Chloride – 250 ml
- (14) 10 acetyl salicylic acid (aspirin) tablet
- (15) 10 Oral beta blocker

Note: AEDs (automated external defibrillators) may be carried by the operators in aircraft carrying a large number of passengers, over a long duration sector lengths and on the basis of risk assessment taking into account the particular needs of the operation.

5. DESIGN STANDARDS – FIRST AID KIT, UNIVERSAL PRECAUTION KIT AND EMERGENCY MEDICAL KIT CONTAINERS

- 5.1 Each first aid kit, Universal precaution kit and emergency medical kit container shall:
- (a) Be constructed to prevent dust and moisture contamination
 - (b) Be constructed of non – flammable material
 - (c) For first aid kit containers, emboss the words “FIRST AID” in red color, in Bangla and English, and a “Red Crescent”, prominently and permanently displayed
 - (d) For Universal Precaution Kit containers, emboss the words “UNIVERSAL PRECAUTION KIT” in red color, in Bangla and English, and a red crescent, prominently and permanently displayed.
 - (e) For emergency medical kit containers, have the words MEDICAL KIT in Bengali and English, and a red crescent, prominently and permanently displayed.
 - (f) Be permanently marked with a serial number for number of passengers carried as shown in section 2.1
 - (g) Be provided with a positive seal to the Emergency Medical kit so that the container can not be opened without breakage of the seal being obvious.

6. CERTIFICATION

- 6.1 The contents and serviceability of the contents for each first aid kit, each Universal Precaution kit and each Emergency Medical kit shall initially, and subsequently at twelve months' interval, be verified and certified by an authorized company medical officer.
- 6.2 The Certification shall be affixed to the container exterior and shall contain the serial number, date of certification, expiry date, signature and seal of the authorized person certifying.

This order has been issued in pursuance to the Civil Aviation Rules 1984, Rule 4 and Rule 156 and supersedes ANO Part E (chapter E .1-Aircraft First Aid Kits and Medical emergency Kits), Issue 1, dated August 1, 1990.



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