

BL 5-5

Regulations on standard masses for use in connection with flight planning etc.

Edition 4, 29 April 1996

In pursuance of § 82 of the Air Navigation Act, cf. Consolidation Act no. 162 of 7 March 1994, the Civil Aviation Administration - Denmark hereby stipulates as follows on the authority of the Ministry of Transport, cf. Order no. 171 of 28 April 1985 regarding operational regulations for aviation with Danish aircraft, § 1:

1. Applicability

1.1 This BL lays down regulations for standard masses for use in connection with planning of flights etc. with Danish registered aircraft.

1.2 This BL also lays down corresponding regulations for foreign registered aircraft operating under a Danish operating permit (AOC), cf. subsection 2 of § 4 of the Air Navigation Act.

2. General

2.1 All flights

The pilot-in-command shall, in connection with any type of flight, ensure

- a. that actual masses or standard masses are used in accordance with the regulations in this BL an aircraft's mass and centre of gravity are calculated, and

- b. that during take-off and landing the hand luggage and the personal effects carried in the passenger cabin are placed under a passenger seat, on a shelf or in another place intended for that purpose.

2.2 Flights involving commercial transportation of passengers

2.2.1 The owner/user of the aircraft shall, for each flight involving commercial transportation of passengers, draw up instructions which shall be incorporated in the operations manual and which ensure

- a. that actual masses or standard masses are used in accordance with the regulations in this BL an aircraft's mass and centre of gravity are calculated,
- b. that only hand luggage and personal effects are carried in the passenger cabin and that all other luggage is weighed, unless standard masses are used, cf. Part 3, and
- c. that during take-off and landing hand luggage carried in the passenger cabin are placed under a passenger seat, on a shelf or in another place intended for that purpose.

2.2.2 The personnel appointed by the owner/user to handle passengers at the aerodrome of departure shall ensure that passengers only carry hand luggage and personal effects in the passenger cabin and that all other luggage is weighed unless standard masses are used, cf. Part 3.

2.2.3 The pilot-in-command or the cabin crew members appointed by him or the air operator shall ensure that only hand luggage and personal effects are carried in the passenger cabin from aerodromes of departure where the passenger handling is not made by the owner/user or by his approved personnel, and that all other kind of luggage is weighed unless standard masses are used, cf. Part 3.

3. Standard masses for persons and luggage

3.1 Crew members

3.1.1 The standard masses are as follows for crew members:

- a. Flight crew members 85 kg
- b. Cabin crew members 75 kg

3.1.1.1 Hand luggage is included in the standard masses.

3.1.2 If other standard masses than the ones mentioned in paragraph 3.3.1 are to be used, these shall be approved by the Civil Aviation Administration - Denmark.

3.2 Passengers

3.2.1 For aircraft with 20 or more passenger seats the standard masses are those stated in Table 1 for "Males" and "Females".

3.2.1.1 For aircraft with 30 or more passenger seats, the standard masses "Whichever sex" in Table 1 may alternatively be used.

Table 1
Standard masses for passengers in aircraft with 20 or more passenger seats

Number of passenger seats	20 or more		30 or more Whichever sex
	Males	Females	
All flights except charter flights	88 kg	70 kg	84 kg
Charter flights	83 kg	69 kg	76 kg
Children aged 2 to 12 years	35 kg		35 kg

Note: When using Table 1 the term charter flights shall mean flights exclusively being part of a package holiday trip arrangement.

3.2.2 For aircraft with 19 or less passenger seats the standard masses are the ones stated in Table 2.

3.2.2.1 For aircraft with less than 6 passenger seats the mass may alternatively be determined on the basis of the passengers' own information or at an estimate.

3.2.2.2 On flights where no hand luggage is carried in the cabin, or where the hand luggage has been taken into consideration separately, the masses stated in Table 2 for males and females may be deducted by 6 kg. Personal effects such as clothing, umbrellas and walking sticks, hand bags and the like, cameras and binoculars as well as a limited amount of reading matters shall in this connection not be regarded as hand luggage.

Table 2
Standard masses for passengers in aircraft with 19 or less passenger seats

Number of passengers	1 to 9	10 to 19
Males	96 kg	92 kg
Females	78 kg	74 kg
Children aged 2 to 12 years	35 kg	35 kg

3.2.3 The following is included in the standard masses for passengers, cf. Tables 1 and 2:

- a. The mass of children below 2 years placed in the lap of an adult or in a special cot. Children below 2 years having their own pas-

senger seats shall, as regards masses, be regarded as children between 2 and 12 years.

b. Hand luggage.

3.3 Luggage

3.3.1 On flights with less than 20 passenger seats the air operator shall use the actual luggage masse.

3.3.2 On flights with aircraft with 20 or more passenger seats the air operator may use the standard masses in Table 3 for each piece of luggage.

Table 3
Standard masses for luggage for aircraft
with 20 or more passenger seats

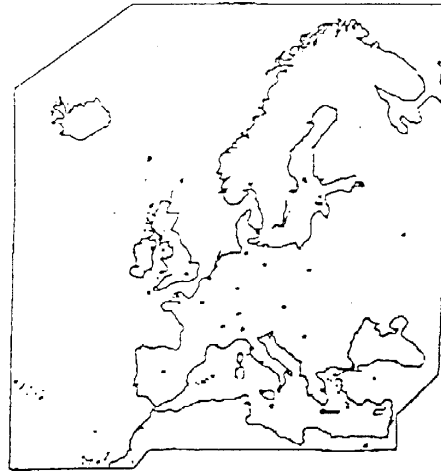
Type of flight	Luggage weight a piece
Domestic flights	11 kg
Flights within the European area	13 kg
Intercontinental flights	15 kg
Other flights	13 kg

Note: When using Table 3 the term flights within the European area shall mean flights, except domestic flights, carried out within an area limited by the following points:

N7200 E04500
N4000 E04500
N3500 E03700
N3000 E03700
N3000 W00600
N2700 W00900
N2700 W03000
N6700 W03000
N7200 W01000
N7200 E04500

See also Figure 1.

Figure 1
European area



3.4 If an air operator wishes to use other standard masses than the ones stated in Tables 1, 2 or 3, he shall submit an application for this to the Civil Aviation Administration - Denmark. The application shall be accompanied by statistical material documenting the calculation of the standard mass wanted.

4. Standard mass for fuel

4.1 The mass of fuel onboard shall be calculated by using the actual density of the fuel if this is known.

4.2 The air operator shall draw up calculation methods for the mass of fuel onboard which shall be used in those cases where the density of the fuel is not known.

5. Standard mass for parachutes

The standard mass for parachutes is 10 kg.

6. Exemption

The Civil Aviation Administration - Denmark may in quite exceptional cases grant exemption from the regulations in this BL if it is deemed compatible with the considerations on which the regulations in question are based.

7. Complaints

Complaints of the decisions taken by the Civil Aviation Administration - Denmark in pursuance of this BL may be presented to the Ministry of Transport.

8. Punishment

8.1 An owner/user violating the regulations in paragraph 2.2.1 will be punished with fine, simple detention or imprisonment for up

to 2 years in pursuance of subsection 8 of § 149 of the Air Navigation Act.

8.2 Anyone violating the regulations in paragraphs 2.1, 2.2.2 and 2.2.3 will be punished with fine, simple detention or imprisonment for up to 2 years in pursuance of subsection 8 of § 149 of the Air Navigation act.

8.3 For violation committed by a limited company, a co-operative or the like, penalty may be imposed on the company/co-operative as such in pursuance of subsection 14 of § 149 of the Air Navigation Act.

9. Implementation

9.1 This BL comes into force on 1 September 1996.

9.2 At the same time BL 5-5, 3 edition of 1 April 1983 is repealed.

Civil Aviation Administration - Denmark, 29 April 1996

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