



## TERMINAL NAVIGATION CHARGES (TNC)

As of January, 1st 2015, the « Administration de la navigation aérienne » (Luxembourg Air Navigation Service Provider - ANA) is applying Commission Regulation (EU) n° 391/2013 of 3 May 2013 laying down a common charging scheme for air navigation services. The applied modulation of Terminal charges (TNC) is in line with the above mentioned regulation.

### **1. General**

All landings are free of TNC charge, only departure aircrafts shall pay a TNC charge.

### **2. Terminal Navigation Charge (TNC)**

The formula used for the calculation of the TNC charge is shown below and applies for any aircraft with a maximum take-off weight (MTOW) greater than 2 tons:

$$R = U \times (MTOW/50)^{0,7} \times E \times D \times \alpha$$

- R = TNC charge per departure aircraft
- U = Unit rate (value set initially to 226 for 2015, revised every year)
- MTOW = Maximum Take-off Weight of the aircraft expressed in tons
- E = Environmental factor
- D = Day flight coefficient
- $\alpha$  = compensation coefficient (set initially to 0,80 for 2015, revised every year)

#### Acoustic factor “V”:

The acoustic factor “V” is used in order to define the environmental factor “E”.

The value “V” is obtained by dividing through the number of aircraft engines the difference between the aircraft maximum noise level value (see ICAO volume I of Annex 16) and the actual aircraft noise level value (cumulative noise values as shown on the aircraft noise certificate for lateral, approach, fly over, overflight or take-off noise levels). In the case of ICAO Annex 16 chapter 8, chapter 10 or chapter 11 -aircraft the highest maximum noise levels are being considered for all of the sub-chapters. The value “V” obtained refers to the aircraft category.

Aircraft category Cat A (least noisiest category):	$V \geq 10,0$
Aircraft category Cat B :	$7,5 \leq V < 10,0$
Aircraft category Cat C :	$5,0 \leq V < 7,5$
Aircraft category Cat D (noisiest category) :	$V < 5,0$

#### Environmental factor “E”:

Aircraft category Cat A :	0,90
Aircraft category Cat B :	1,00
Aircraft category Cat C :	1,25
Aircraft category Cat D :	1,50

#### Day flight coefficient “D”:

The factor applied is determined by the time (local) of the take-off.

Take-off (local time) 06:00:00 - 23:00:59 :	1,0
Take-off (local time) 23:01:00 - 00:00:59 :	1,5
Take-off (local time) 00:01:00 - 05:59:59 :	2,0

### **3. Noise Certification Data Sheet**

In order to allow ANA a correct calculation of the new Terminal Charge at Luxembourg airport as of January, 1st 2015, we kindly ask you to send a copy of the “Noise Certification Data Sheet” of each registered aircraft to following address:

Administration de la navigation aérienne  
Attn : Service AIS - Facturation  
4, route de Trèves  
L - 2632 Findel

In case of not receiving the above mentioned noise certificate, the environmental factor “E” mentioned in the above TNC formula is *per se* set to 1,50.

Please note that the environmental factor “E” of a value less than 1,50 is only applied up from the date the noise certificate has been received by ANA. No backwards recalculation prior to the date of reception of the noise certificate can be performed.

#### **4. Aircraft with a MTOW below or equal to 2 tons**

Aircrafts with a MTOW of 2 tons or less, shall pay a fixed TNC charge of 6,10 euros.

Aircrafts with a MTOW of 2 tons or less shall pay a unique TNC charge including the service provided while performing touch and go's.

#### **5. Exemptions**

The following aircraft are exempted from Terminal Navigation Charges:

- Aircraft below or equal 2 tons MTOW which are owned/operated by an approved flying school (only if approved by ANA);
- Military aircraft ;
- Flights operated for governmental needs ;
- Flights carrying Head of State ;
- Humanitarian Flights ;
- Search and Rescue Flights ;
- Flights in distress ;
- Flights operating in the interest of the State of the G.D. of Luxembourg (e.g. ILS calibration flights).

Note that medical flights are not exempted from Terminal Navigation Charges.

#### **6. Payment terms**

If the bill is not paid within thirty (30) days from the date of invoice, ANA reserves the right to charge default interest. After sixty (60) days late, ANA will automatically send a "mise en demeure" (notice) to the debtor and will charge default interest in accordance and as foreseen in the national legislation.

ANA may prohibit the flight of any aircraft for which the royalties due under this regulation have not been paid within the time prescribed above.

#### **7. Repeal of "Régime des redevances terminales"**

The "*Régime des redevances terminales et aéroportuaires à l'Aéroport du Luxembourg*" applicable from 1st of January 2012 shall be repealed with effect from 1st January 2015, except for the parts regarding the "**Airport charges**" (parking-, passenger- and person with reduced mobility charge) which will remain into force until further notice.