



## REPUBLIC OF LITHUANIA

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**A 006. SEPARATION MINIMA WITHIN VILNIUS FIR/UIR**

This aeronautical information circular presents separation minima applied by air navigation service provider within the Vilnius Flight Information Region and Upper Flight Information Region (VILNIUS FIR/UIR), approved by the order No. 2-78 of 29 June 2022 of the Director of Transport Competence Agency.

**SEPARATION MINIMA FOR APPLICATION BY AIR NAVIGATION SERVICE PROVIDER WITHIN VILNIUS FLIGHT INFORMATION REGION AND UPPER FLIGHT INFORMATION REGION**

**Horizontal radar separation minima between identified controlled aircraft**

1. Horizontal radar separation minima between identified controlled aircraft within the controlled airspace of Vilnius Flight Information Region (hereinafter referred to as FIR) and Upper Flight Information Region (hereinafter referred to as UIR):

- 1.1 from flight level 660 (hereinafter referred to as FL) inclusive to FL 095 – 5 nautical miles;
- 1.2 from FL 095 to ATC surveillance minimum altitude inclusive – 3 nautical miles. The requirement of this Sub-item shall not be applicable within aerodrome control areas (CTR);
- 1.3 wake turbulence separation minima applied to aircraft in the approach and departure phases:

<b>Aircraft operating at the front</b>	<b>Aircraft operating behind</b>	<b>Separation minima</b>
Heavy	Heavy	4 nautical miles
	Average	5 nautical miles
	Light	6 nautical miles
Average	Light	5 nautical miles

1.4 Taking into consideration Paragraph SERA.8012 of the Annex to Commission Implementing Regulation (EU) No. 923/2012, wake turbulence separation minima indicated under Sub-item 1.3 table shall be applicable in any of the following circumstances:

- 1.4.1 an aircraft is operating directly behind another aircraft at the same altitude or less than 300 M (1000 FT) below it;
- 1.4.2 both aircraft are using the same runway or parallel runways separated by less than 760 M (2500 FT);
- 1.4.3 an aircraft is crossing behind another aircraft at the same altitude or less than 300 M (1000 FT) below it.

**Horizontal radar separation minima between identified controlled and unidentified aircraft**

2. Horizontal radar separation minima between identified controlled aircraft and unidentified aircraft:
  - 2.1 from FL 660 to FL 095 inclusive – 5 nautical miles;
  - 2.2 from FL 095 inclusive and below to ATC surveillance minimum altitude inclusive – 3 nautical miles.

**Vertical radar separation minima between identified controlled aircraft**

3. Vertical radar separation minima between identified controlled aircraft within the airspace controlled by Vilnius FIR and UIR:
  - 3.1 up to FL 290 – 1000 FT;
  - 3.2 from FL 290 inclusive to FL 410 inclusive:
    - 3.2.1 1000 FT between reduced vertical aircraft separation minima (hereinafter referred to as RVSM) for aircraft approved for operations;
    - 3.2.2 2000 FT:
      - 3.2.2.1 between state aircraft non-approved for RVSM flights and any other aircraft operating within European (hereinafter referred to as EUR) RVSM airspace;
      - 3.2.2.2 between state aircraft executing group flights and any other aircraft operating within EUR RVSM airspace;
      - 3.2.2.3 between aircraft with radio-communication failure during the flights and any other aircraft, provided that both aircraft are operating within EUR RVSM airspace;
    - 3.3 above FL 410 – 2000 FT.
4. Vertical separation minima between controlled aircraft can only be reduced having ensured horizontal radar separation minima between identified controlled aircraft established under Sub-items 1.1, 1.2 and 1.3.

**Radar separation minima between identified controlled aircraft and operated (activated) restricted, temporary segregated areas and special gliders zones and temporarily established segregated areas**

5. Radar separation minima between identified controlled aircraft and operated (activated) restricted, temporary segregated areas and special gliders zones as well as temporarily established segregated areas:
  - 5.1 horizontal separation minima:
    - 5.1.1 from FL 660 inclusive to FL 095 – 5 nautical miles;
    - 5.1.2 from FL 095 inclusive to ATC surveillance minimum altitude inclusive – 3 nautical miles;
  - 5.2 vertical separation minima – 300 M (1000 FT), calculating the altitude from the vertical boundaries of restricted, temporary segregated areas and special gliders zones as well as temporarily established segregated areas.

**Radar separation between identified controlled aircraft and operated (activated) danger areas**

6. Radar separation between identified aircraft and operated (activated) danger areas:
  - 6.1 horizontal separation minima – identified controlled aircraft designation in air traffic situation display must not touch the horizontal boundaries of danger area;
  - 6.2 the lowest FLs, assigned for identified controlled aircraft flights above operated (activated) danger areas, based on relevant mean sea level pressure (QNH) at meteorological information provision areas (MET):

Danger area name	QNH value not higher than 1049 hPa	QNH value from 1021 hPa to 1048 hPa	QNH value from 978 hPa to 1020 hPa	QNH value lower than 978 hPa
	Lowest assigned FLs			
<b>EYD9 Pabradė</b> (Vilnius MET)	200	210	220	230
<b>EYD10 Rukla</b> (Kaunas MET)	070	080	090	100
<b>EYD11 Rokai</b> (Kaunas MET)	070	080	090	100
<b>EYD12 Pilviškiai</b> (Kaunas MET)	150	160	170	180
<b>EYD13 Alytus</b> (Kaunas MET)	070	080	090	100
<b>EYD14 Tauragė</b> Palanga MET)	070	080	090	100
<b>EYD15 Telšiai</b> (Palanga MET)	070	080	090	100
<b>EYD16 Klaipėda</b> (Palanga MET)	070	080	090	100
<b>EYD17 Juodkrantė</b> (Palanga MET)	270	280	290	300
<b>EYD18 Nida</b> (Palanga MET)	270	280	290	300
<b>EYD21 Ignalina 2</b> (Vilnius MET)	100	110	120	130

7. For flights of identified controlled aircraft above the operated (activated) danger areas, which have not been indicated under Sub-item 6.2 table:

7.1 in case their upper boundaries are above the transition altitude and are assigned in FT from mean sea level (MSL) or from sea surface (SFC) – the lowest FLs are assigned for operation in accordance with the conditions established by the air navigation service provider in every separate case;

7.2 in case their upper boundaries are assigned in FL – vertical separation minima – 1000 FT, calculating the altitude from vertical temporary danger area boundaries.

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