

Sofia Airport

IATA/ICAO CODE:     SOF/LBSF  
CITY:                   Sofia  
COUNTRY:             Bulgaria

AIRPORT CONTACT

Information confirmed as current by the airport 2/2011

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**Airport Web Site:** [www.sofia-airport.bg](http://www.sofia-airport.bg)

ELEVATION: 531 m.

RUNWAY INFORMATION				
Orientation	Length (m)	Displaced Threshold (m)	Glide Slope(deg)	Width (m)
09/27	3600	300	3	45

NOISE ABATEMENT PROCEDURES

All flights over the populated areas of the city of Sofia are prohibited except the cases described under “Exceptions”.

CONTINUOUS DESCENT ARRIVAL (CDA) - [NONE](#)

AIRPORT CURFEWS

Scheduled flights are not permitted between 2100-0400 (2000-0300). Chapter 2 aircraft are not allowed.

PREFERENTIAL RUNWAYS

**TAKE-OFF:**

Runway 27 will be used for take-offs at day and night only in cases when:

- the strength and direction of the wind do not allow the use of runway 09;
- the controller clears the take-off due to saturated traffic or in cases stated in the Exceptions listed below.

**LANDING:**

Runway 09 will be used for landings day and night only in cases when:

- the strength and direction of the wind do not allow the use of runway 27;

- the controller clears the landing due to saturated traffic or in cases stated in the “Exceptions” listed below.

EXCEPTIONS:

Exceptions from the above procedures are admitted in cases of:

- a) governmental flights;
- b) search and rescue flights;
- c) ambulance flights;
- d) rescue flights at distress;
- e) check flights of the police;
- f) emergency landings and landings of aircraft using the airport as an alternate.

OPERATING QUOTA - [NONE](#)

ENGINE RUN-UP RESTRICTIONS

Engine test runs may only take place on the designated for that purpose stand.  
Engine test runs are prohibited between 1700-0500 (1600-0400).

APU OPERATING RESTRICTIONS - [NONE](#)

NOISE BUDGET RESTRICTIONS - [NONE](#)

NOISE SURCHARGE NOISE - [NONE](#)

NOISE MITIGATION/LAND USE PLANNING PROGRAM INFORMATION

Noise protection project was developed upon requirements of the Ministry of Environment and Waters following the Environmental Impact Assessment of Sofia Airport Reconstruction, Development and Extension Project that includes construction of a new runway. The construction is now finished and the new runway is operational as of 31 August 2006. The old runway is now parallel TWY to the existing runway.

The aim of the Noise Protection Project was to elaborate a concept of individual and group measures for noise protection so that the influence of the aviation noise on the population to be as less as possible.

Type of Program	Date Implemented	Description	Status
Noise Insulation:			
Defining of Hygiene Protective Area (HPA) around Sofia Airport	April 2002	HPA was defined before completion of the new runway construction. It was prepared on the basis of traffic and fleetmix forecast for 2007 – 2008 and in accordance with the Bulgarian Legislation. HPA is the territory within a contour of 60 dB equivalent noise level.	completed
Preparation of Noise Protection Project for the Territory within the HPA	November 2002	The project comprises survey and elaboration of a concept of individual and group noise protection measures within the HPA. • Individual Noise Protection measures: replacement of the existing woodwork of resident buildings (inhabitable houses) and 106 Primary School located in the HPA with aluminium windows with index of noise insulation 35 dB or more;	completed

		• Group Noise Protection measures: construction of a noise protection fence on the Sofia Airport engine run-up pad.	
Preparation of a Program for implementation of the noise protection measures envisaged in the project	October 2003	Program, based on the Project, describes the implementation of the noise protection measures in the time	completed
Implementation of the noise protection measures	2004	Noise insulation of 106 Primary School located in the HPA	completed September 2004
	2005 - 2006	Noise insulation of all resident buildings (inhabitable houses) within the Western part of the HPA by replacement of the existing woodwork with aluminum windows	completed April 2006
	2007	Noise insulation of all resident buildings (inhabitable houses) within the Eastern part of the HPA by replacement of the existing woodwork with aluminum windows	completed December 2008
	2007 - 2008	Construction of noise protection fence on the Sofia Airport engine run-up pad	completed April 2009
Aviation Noise Monitoring and Flight Tracking System – property of Sofia Airport EAD	January 2005	Noise Monitoring and Flight Tracking System was purchased in August 2004, installed in November 2004, Sofia Airport staff was trained in December 2004 and now the system is operational.	completed
Purchase Assurance for Homeowners Located Within the Airport Noise Contours	-	N/A	-
Avigation Easements	-	N/A	-
Zoning Laws	-	N/A	-
Real Estate/Property Disclosure Laws	-	N/A	-
Acquire Land for Noise Compatibility to date	-	N/A	-
Population within each noise contour level relative to aircraft operations	-	We do not have specific data for each noise contour level. According to the Noise Protection Project the population within the noise contour of 60 dB equivalent noise level is approximately 1650 people.	-
Airport Noise Contour	-	Since January 2005 Sofia Airport has been operating a Noise Monitoring System. Actual	-

Overlay Maps		noise contours will be produced in accordance with the Bulgarian Legislation.	
Total Cost of Noise Mitigation Programs to Date	2004	<ul style="list-style-type: none"><li>• Noise Monitoring System – 250 000 Euro;</li><li>• Noise Insulation of 106 Primary School – 50 000 Euro;</li><li>• Noise Insulation of resident buildings within the Western part of the HPA –350 000 Euro;</li><li>• Noise Insulation of resident buildings within the Eastern part of the HPA – approx. 30 000 Euro;</li></ul>	-
Source of Noise Mitigation Program Funding for Aircraft Noise	-	Airport Taxes	-

NOISE MONITORING SYSTEM

Locations of the NMTs in west direction are shown on the picture below.



Position of the NMTs		
NMT	Latitude	Longitude
West 1	042°41'55" N	023°23'16" E
West 2	042°41'57" N	023°22'48" E
West 3	042°42'01" N	023°21'47" E
West 4	042°41'58" N	023°21'41" E
East 2	042°41'30" N	023°27'57" E

FLIGHT TRACK MONITORING SYSTEM

Yes - 3. The Noise Monitoring System is NOISE MONITORING AND FLIGHT TRACKING SYSTEM (NMFTS)

## NOISE LEVEL LIMITS

Decree No 6 dated 26 June 2006 to the Bulgarian Law about assessment and management of environmental noise sets the noise indicators to be measured in the environment in relation with the degree of discomfort in different times of the day; sets limit values of the noise indicators, methods for evaluation of their values and the harmful effects of the noise on the community health.

According to the Decree No 6 the limits of the noise indicators values for the territories exposed to aviation noise are as follows:

Day (from 7 am – 7 pm) – 65 dB(A),

Evening (7 pm – 11 pm) – 65 dB(A),

Night (11 pm – 7 am) – 55 dB(A).

Note: Maximum noise level for aircraft flying over a certain territory is 85 dB(A).

## CHAPTER 2 RESTRICTIONS

Directive 92/14 of EC. As of April 1, 2002 Chapter 2 >75,000 lbs are ban.

## CHAPTER 2 PHASEOUT

Directive 92/14 of EC. Phase out of Chapter 2 airplanes >75,000 lbs was completed April 1, 2002

## CHAPTER 3 RESTRICTIONS - [NONE](#)

## COMMENTS

Sofia Airport has a surcharge for night time landings/takeoffs (10 pm – 6 am) which is 25% of the landing charge. Sofia Airport also has a surcharge of 25% of the landing charge on Saturday, Sunday and public holidays.