

**LTBZ AD 2.1 AERODROME LOCATION INDICATOR AND NAME****LTBZ - ZAFER****LTBZ AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP coordinates and site at AD	390641N-0300749E in the middle of RWY
2	Direction and distance from (city)	40 Km S of Kütahya
3	Elevation/Reference temperature / Mean low temperature	3327 FT / 25°C / -4° C
4	Geoid Undulation at AD ELEV PSN	125 FT
5	MAG VAR/Annual change	6.0°E (2026) / 0.04° increasing
6	AD Operator, address, telephone, telefax, AFS, email, website	Zafer Havalimanı Müdürlüğü Altıntaş Kütahya / TÜRKİYE Airport Manager : +90 274 3273030 - 4443937 Fax : +90 274 3273031 AFS : LTBZYDYX Web-site : www.zafer.aero
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	NIL

**LTBZ AD 2.3 OPERATIONAL HOURS**

1	AD Operator	See NOTAM
2	Customs and immigration	As AD Working Hours
3	Health and sanitation	As AD Working Hours
4	AIS Briefing Office	See NOTAM
5	ATS Reporting Office (ARO)	See NOTAM
6	MET Briefing Office	As AD Working Hours
7	ATS	As AD Working Hours
8	Fueling	As AD Working Hours
9	Handling	As AD Working Hours
10	Security	H24
11	De-icing	As AD Working Hours
12	Remarks	NIL

**LTBZ AD 2.4 HANDLING SERVICES AND FACILITIES**

1	Cargo-handling facilities	Not Available
2	Fuel and oil types	JET A1
3	Fuelling facilities and capacity	101000 Lt
4	De-icing facilities	Available

5	Hangar space for visiting aircraft	-
6	Repair facilities for visiting aircraft	-
7	Remarks	NIL

### LTBZ AD 2.5 PASSENGER FACILITIES

1	Hotels	In the cities (Kütahya, Afyon, Uşak)
2	Restaurants	At AD and in the cities
3	Transportation	Bus, taxi and car rental
4	Medical facilities	First aid room and ambulance at AD, Hospital in the cities
5	Bank and Post Office	ATM at AD, Bank and Post office in the cities
6	Tourist Office	At AD and in the cities
7	Remarks	NIL

### LTBZ AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Category 7
2	Rescue equipment	1 Fire Fighting Vehicle with Dry Chemical Powder Unit, 2 Fire Fighting Vehicles with Foam-Water Units
3	Capability for removal of disabled aircraft	Vehicles are provided from the Public Organizations for narrow body aircraft on request of airline operator. Ankara Esenboga, Istanbul Ataturk or Antalya Airports provides facilitation for large body aircraft on request of airline operator
4	Remarks	The control of the actual lifting and removal of a large aircraft shall be the responsibility of the registered owner or operator concerned. If the registered owner or operator cannot remove the aircraft or is dilatory in doing so, the airport management should have authority to act for the owner or operator with minimum delay and this action will be charged according to tariff tables of DHMI.

### LTBZ AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	Snow Removal Equipment (Mechanical)
2	Clearance priorities	Standard. See AD 1.2.2
3	Remarks	See AD 2.2.6 for contact information. RWY condition assessment as per ICAO GRF. Braking action assessment by Runway Friction Tester Equipment/Vehicle

### LTBZ AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Surface: Concrete, Strength: PCN 110 R/D/W/T
2	Taxiway width, surface and strength	TWY B Width: 24 M, Surface: Concrete, Strength: PCN 110 R/D/W/T
3	Altimeter Check Point location and elevation	At RWY 13 THR: 3317 FT; RWY 31 THR: 3327 FT
4	VOR checkpoints	-
5	INS checkpoints	See AD Parking chart.

6	Remarks	NIL
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**LTBZ AD 2.9 SURFACE MOVEMENT GUIDANCE, CONTROL SYSTEM AND MARKINGS**

1	Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands	Standard visual markings available
2	RWY and TWY markings and LGT	<b>RWY:</b> Edge, End, THR, Centerline, TDZ, Designation, turn pad markings available. Turn pad marking lights available; <b>For other LGT see item 2.14</b> <b>TWY:</b> Edge, Holding position, Centerline markings available. <b>For LGT see item 2.15.</b>
3	Stop bars and runway guard lights	Available on TWY.
4	Other runway protection measures	-
5	Remarks	NIL

**LTBZ AD 2.10 AERODROME OBSTACLES**

An electronic file of AD obstacles is available from the link LTBZ AD 2.10 under obstacle folder via AIP Türkiye link on <https://www.dhmi.gov.tr>

**LTBZ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	Associated MET Office	ZAFER
2	Hours of service MET Office outside hours	BTN 0500-1500 UTC and during the operations
3	Office responsible for TAF preparation Periods of validity	Eskişehir (LTBI) 9 HR
4	Trend forecast / Interval of issuance	-
5	Briefing/consultation provided	-
6	Flight documentation Language(s) used	Charts abbreviated plain language text. TU-EN
7	Charts and other information available for briefing or consultation	Surface and upper air actual and prog. Charts. SIGWX, UL W/T, Model TA-M
8	Supplementary equipment available for providing information	Telefax, VSAT, ADSL PC connection
9	ATS units provided with information	Zafer Control TWR
10	Additional information (limitation of service, etc.)	Aerodrome warnings

**LTBZ AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

Designations RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end Coordinates THR Geoid Undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
13	131.16°	3000X45	Concrete PCN 110 R/D/W/T	390713.26N - 0300701.78E - GUND: 125 FT	THR 3317FT
31	311.18°	3000X45	Concrete PCN 110 R/D/W/T	390609.22N - 0300835.77E - GUND: 125 FT	THR 3327FT

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	RESA (M)	Arresting System	OFZ	Remarks
7	8	9	10	11	12	13	14
0.1%	-	-	3120x300	120x180	-	-	CBR can vary within RESA due to meteorological conditions
0.1%	-	-	3120x300	120x180	-	-	

**LTBZ AD 2.13 DECLARED DISTANCES**

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
13	3000	3000	3000	3000	NIL
31	3000	3000	3000	3000	

**LTBZ AD 2.14 APPROACH AND RUNWAY LIGHTING**

RWY Designator	APCH LGT type LEN INTST	THR LGT color WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, color, INTST	RWY edge LGT LEN, spacing color INTST	RWY End LGT color WBAR	SWY LGT LEN (M) color	Remarks
1	2	3	4	5	6	7	8	9	10
13	Precision APP CAT II, Barett System 900 M (of which 600 M is flashing) LIH	Green	PAPI 3 DEG (Left)	900 M	3000 M, 15 M, color coded White/Red	3000 M, 60 M, color coded White/Yellow, LIH	Red	-	NIL
31	Precision APP CAT II, Barett System 900 M (of which 600 M is flashing) LIH	Green	PAPI 3 DEG (Left)	900 M	3000 M, 15 M, color coded White/Red	3000 M, 60 M, color coded White/Yellow, LIH	Red	-	

**LTBZ AD 2.15 OTHER LIGHTING AND SECONDARY POWER SUPPLY**

1	ABN/IBN location, characteristics and hours of operation	ABN: Flg W/G on top of TWR, W/G As AD
2	LDI location and LGT Anemometer location and LGT	<b>LDI:</b> Available <b>Anemometer:</b> Available
3	TWY edge and centerline lighting	TWY B: Edge, centerline
4	Secondary power supply/switch-over time	Available, switch over time (0) sec
5	Remarks	Apron LGTD, WDI: LGTD, RTIL available for RWY 13/31 RGL available for TWY B

**LTBZ AD 2.16 HELICOPTER LANDING AREA - NIL**

**LTBZ AD 2.17 ATS AIRSPACE**

1	Designation and lateral limits	Zafer CTR centered on 390609N-0300806E Radius 10NM.
2	Vertical limits	5000 FT AMSL/SFC
3	Airspace classification	-
4	ATS unit call sign Language(s)	Zafer Tower TU-EN
5	Transition altitude	10000 FT
6	Remarks	APP Service is provided by a) Zafer APP b) Zafer TWR when required or transferred by Zafer APP

**LTBZ AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Channel	Hours of operation	Remarks
1	2	3	4	5
TWR	Zafer TWR	119.4 MHz 386.675 MHz *121.5 MHz *243.0 MHz	As AD	*Emergency
	Ground	121.9 MHz	As AD	
SAR	Zafer Rescue Sub-center	123.1 MHz 282.8 MHz 3023 KHz 5680 KHz	As AD	
APP	Zafer APP	120.9 MHz	As AD	

**LTBZ AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

Type of aid, CAT of ILS/MLS (For VOR/ILS/MLS, give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna Coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NDB	KTH	336 KHz	H24	390624.4N 0300805.2E	-	-
VOR/DME	KTH	112.3 MHz CH70X	H24	390624.4N 0300805.2E	1018 M	-
LLZ 13 ILS CAT II	IZFR	108.1 MHz	H24	390604.6N 0300842.6E	-	IZFR ILS/DME 108.1 MHz / CH18X is unusable left side of LLZ CL beyond 10 degree (90 HZ Sector II) for CAT II performance
GP		334.7 MHz	H24	390703.7N 0300709.0E	-	3°, RDH 55 FT
DME	IZFR	CH18X	H24	390703.7N 0300709.0E	1025 M	-
LLZ 31 ILS CAT II	IZFE	111.3 MHz	H24	390717.9N 0300654.9E	-	IZFE ILS/DME 111.3 MHz / CH50X is unusable right side of LLZ CL beyond 10 degree (150 HZ Sector II) for CAT II performance
GP		332.3 MHz	H24	390613.4N 0300822.9E	-	3°, RDH 55 FT
DME	IZFE	CH50X	H24	390613.4N 0300822.9E	1027 M	-

## LTBZ AD 2.20 LOCAL AERODROME REGULATIONS

Bütün hava trafiği için havalimanı çalışma saatleri dahilinde normal ve yedek meydan.

All air traffic for regular or alternate use during airport operating hours.

## LTBZ AD 2.21 NOISE ABATEMENT PROCEDURES

1- Gürültü Kategorisi ICAO ANNEX 16 Cilt 1 Bölüm 3 ile uyumlu uçaklar kalkışlarda NADP-2, Gürültü Kategorisi ICAO ANNEX 16 Cilt 1 Bölüm 2 ile uyumlu uçaklar ise sadece NADP-1 uygulayacaklardır.

1- For departures any aircraft having compliance with the Noise Category ICAO ANNEX 16, Vol-1 Chapter 3 shall apply NADP-2 whereas aircraft having Noise Category are in compliance with ICAO ANNEX 16 Vol-1 Chapter 2 shall only apply NADP-1.

2- Pilotlar 3000 FT i katedinceye kadar ICAO Doc 8168 Cilt-3 de açıklanan "Noise Abatement Departure Procedures 1 veya 2" (NADP-1 veya NADP-2) usulünü uygulayacaklardır.

2- Pilots shall apply "Noise Abatement Departure Procedures 1 or 2" (NADP-1 or NADP-2) which has been explained in ICAO Doc 8168 Vol-3 until passing 3000 FT.

3- Gürültü Kategorisi ICAO ANNEX 16 Cilt-1 ile uyumlu diğer uçaklar (Bölüm 2 ve 3 hariç) kalkışlarda NADP-1 veya NADP-2 uygulayacaklardır.

3- For departures any other aircraft having compliance with the Noise Category ICAO ANNEX 16 Vol-1 (except Chapter 2 and 3) shall apply NADP-1 or NADP-2.

## LTBZ AD 2.22 FLIGHT PROCEDURES

### RNP usulünü uygulayan IFR uçaklar:

AD 2 LTBZ STAR-3 sayfasında yayınlanan STARlar ile 13 pistine inişe gelen trafikler uygulayacağı STARa uygun olarak TUMER, AFYON, KARGI, EDASA veya APSER noktasına devam eder; AIP ENR 1-3-4.5.4 de açıklanan maddelere uygun olarak yaklaşma usulünü uygulayarak inişini gerçekleştirir.

### IFR flights executing RNP procedure:

With the STARs published on AD 2 LTBZ STAR-3, traffic expected to land RWY 13 proceed to TUMER, AFYON, KARGI, EDASA or APSER in accordance with the STAR to be executed; in accordance with the items stated in AIP ENR 1-3-4.5.4 execute approach procedure and land.

AD 2 LTBZ STAR-4 sayfasında yayınlanan STARlar ile 31 pistine inişe gelen trafikler uygulayacağı STARa uygun olarak TUMER, AFYON, KARGI, EDASA veya APSER noktasına devam eder; AIP ENR 1-3-4.5.4 de açıklanan maddelere uygun olarak yaklaşma usulünü uygulayarak inişini gerçekleştirir.

With the STARs published on AD 2 LTBZ STAR-4, traffic expected to land RWY 31 proceed to TUMER, AFYON, KARGI, EDASA or APSER in accordance with the STAR to be executed; in accordance with the items stated in AIP ENR 1-3-4.5.4 execute approach procedure and land.

## LTBZ AD 2.23 ADDITIONAL INFORMATION

### 1. Zafer Havalimanı için tehlike teşkil edebilecek olan kuşların buldukları yerler ve geçiş noktaları:

Zafer Havalimanı, Sonbahar ve İlkbaharda akpelikan, atmaca, yoz atmaca ve leylekler için ana göç yolu üzerinde, kızıl akbaba ve kızıl şahin için ise tali göç yolu üzerinde yer aldığından ve göçlerin düşük yoğunlukta seyretmesi nedeniyle azda olsa uçuş güvenliğini riske edebilecek kuş hareketlerinin olması ihtimaldir. Zafer Havalimanı için en yoğun hareket günlük hareketlerdir Bu hareketler karga, güvercin, sığırcık, saksagan ve şahin tarafından gerçekleştirilmektedir. Bu hareketler gün doğumu - gün batım arasında gerek liman içerisinde gerekse çevre tarım arazilerinde gerçekleştirilmektedir

### 1. The places of birds and access routes which can pose a threat to Zafer Airport:

White pelican, hawk, gray hawk and storks can be seen on the main migration route and griffon vulture and red hawk can be seen on the secondary migration route in low concentrations during spring and autumn at Zafer Airport. Therefore, there is a small risk possibility for safety of flights. Intense movements for Zafer Airport are daily movements. These movements are carried out by crow, magpie, pigeon, starling and falcon. These movements are between RWY and TWY and farmland surrounding the airport area have been identified from sunrise to sunset.

### 2. Dönem ve Zaman Bilgileri:

Yerli kuşlar (karga, güvercin, sığırcık, saksagan ve şahin) tüm yıl boyunca gün doğumundan gün batımına kadar olan sürede görülebilmektedir. Göç eden gruplar ise İlkbahar ve sonbahar dönemlerinde görülebilmektedir.

### 2. Period and Time Information:

Native birds (crow, magpie, pigeon, starling and falcon) can be seen all year long during the period of sunrise to sunset. Migration groups can be seen in spring and autumn.

### 3. Ortalama Sayısı ve Ağırlık Bilgileri:

### 3. Average Number and Weight Details:

Yırtıcı olan şahin havalimanı civarında 5-10 adet civarında gözlenmiştir. Şahinler 550-1200 gr arası yırtıcılardır. Saksığan ve sığırcık türleri 100-200 bireylik gruplar oluşturmaktadırlar. Ağırlıkları 75-250 gr arasındadır. Karga ve güvercin ise nadir olarak az sayıda görünmektedir. Ağırlıkları 250-600 gr arasındadır.

#### 4.Uçuş Yükseklikleri:

Yırtıcılardan şahin türü yerden 33-430 FT arası yükseklikte, saksığan, sığırcık, karga ve güvercin türleri ise yerden 33-492 FT arası yükseklikte bulunabilmektedir

#### 5. Hudut Kapısı

Falcon type of predator can be seen on nearby airport about 5-10 pieces, weight of falcon is between 550-1200 gr. Magpie and starling are constitutes 100-200 individuality groups and weights are between 75-250 gr. Crow and pigeon are can be seen few and weights are between 250-600 gr.

#### 4. Flight Altitudes:

Falcon types of predators can be found from 33-430 FT and crow, magpie, pigeon, starling types from 33-492 FT altitude.

#### 5. Border Gate

## LTBZ AD 2.24 AERODROME CHARTS

Aerodrome Chart	AD 2 LTBZ ADC
Aircraft Parking / Docking Chart	AD 2 LTBZ PRKG
Standard Instrument Departure Chart RWY 13	AD 2 LTBZ SID-1
Standard Instrument Departure Chart RWY 13	AD 2 LTBZ SID-2
Standard Instrument Departure Chart RWY 31	AD 2 LTBZ SID-3
Standard Instrument Departure Chart RWY 31	AD 2 LTBZ SID-4
Standard Instrument Departure Chart RNAV (GNSS) RWY 13	AD 2 LTBZ SID-5
Standard Instrument Departure Chart RNAV (GNSS) RWY 31	AD 2 LTBZ SID-6
Standard Instrument Arrival Chart	AD 2 LTBZ STAR-1
Standard Instrument Arrival Chart	AD 2 LTBZ STAR-2
Standard Instrument Arrival Chart RNAV (GNSS) RWY 13	AD 2 LTBZ STAR-3
Standard Instrument Arrival Chart RNAV (GNSS) RWY 31	AD 2 LTBZ STAR-4
Instrument Approach Chart NDB/DME RWY 31	AD 2 LTBZ IAC-1
Instrument Approach Chart VOR/DME RWY 31	AD 2 LTBZ IAC-2
Instrument Approach Chart NDB/DME RWY 13	AD 2 LTBZ IAC-3
Instrument Approach Chart VOR/DME RWY 13	AD 2 LTBZ IAC-4
Instrument Approach Chart VOR-1 / NDB-1	AD 2 LTBZ IAC-5
Instrument Approach Chart VOR-2 / NDB-2	AD 2 LTBZ IAC-6
Instrument Approach Chart ILS Z CAT I or LOC Z RWY 13	AD 2 LTBZ IAC-7
Instrument Approach Chart ILS Z CAT I or LOC Z RWY 31	AD 2 LTBZ IAC-8
Instrument Approach Chart ILS Y CAT I or LOC Y RWY 31	AD 2 LTBZ IAC-9
Instrument Approach Chart ILS Y CAT II RWY 13	AD 2 LTBZ IAC-10
Instrument Approach Chart ILS X CAT II RWY 31	AD 2 LTBZ IAC-11
Instrument Approach Chart ILS W CAT II RWY 31	AD 2 LTBZ IAC-12
Instrument Approach Chart RNP RWY 13	AD 2 LTBZ IAC-13
Instrument APP Procedure Description RNP RWY 13	AD 2 LTBZ IAC-13A
Instrument Approach Chart RNP RWY 31	AD 2 LTBZ IAC-14
Instrument APP Procedure Description RNP RWY 31	AD 2 LTBZ IAC-14A
Bird Concentration and Movement Chart	AD 2 LTBZ BRD