

**LTBQ AD 2.1 AERODROME LOCATION INDICATOR AND NAME****LTBQ - KOCAELİ / CENGİZ TOPEL****LTBQ AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP coordinates and site at AD	404406N-0300500E, in the middle of RWY
2	Direction and distance from (city)	15 KM E of Kocaeli
3	Elevation/Reference temperature / Mean low temperature	188 FT / 30° C / 3° C
4	Geoid Undulation at AD ELEV PSN	120 FT
5	MAG VAR/Annual change	6.1°E (2026) / 0.05° increasing
6	AD Operator, address, telephone, telefax, telex, AFS, email, website	DHMI Kocaeli Cengiz Topel Havalimani Müdürlüğü Emekevler Mah. D100 Karayolu Cad. No:268 41180 Kartepe Kocaeli / TÜRKİYE Switchboard : +90 262 3713880 (4 Lines) <b>(Military)</b> Switchboard : +90 262 3753492-93, +90 262 3752222 <b>(Civil)</b> Airport Authority : +90 262 3713880 Ext: 1756 <b>(Military)</b> Airport Authority : +90 262 3752222 Ext: 1101 <b>(Civil)</b> AFS : LTBQYDYX Fax : +90 262 3753491 <b>(AIM)</b> Fax : +90 262 3752766 <b>(Civil)</b> Fax : +90 262 3713889 <b>(Military)</b> EMail : cengiztopel@dhmi.gov.tr Website : <a href="https://www.dhmi.gov.tr/Sayfalar/Havalimani/Cengiztopel/AnaSayfa.aspx">https://www.dhmi.gov.tr/Sayfalar/Havalimani/Cengiztopel/AnaSayfa.aspx</a>
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	NIL

**LTBQ AD 2.3 OPERATIONAL HOURS**

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

**LTBQ AD 2.4 HANDLING SERVICES AND FACILITIES**

1	Cargo-handling facilities	-
2	Fuel and oil types	<b>Civil:</b> Jet A1 <b>Military:</b> JP-8, AVGAS (100-130 octane)
3	Fuelling facilities and capacity	By tankers, Jet A1 83000 Lt
4	De-icing facilities	Available
5	Hangar space for visiting aircraft	-

6	Repair facilities for visiting aircraft	-
7	Remarks	NIL

### LTBQ AD 2.5 PASSENGER FACILITIES

1	Hotels	In the city
2	Restaurants	In the city
3	Transportation	Bus and taxi
4	Medical facilities	First-aid room at AD (As Scheduled Flights). Hospital in Kocaeli
5	Bank and Post Office	In the city
6	Tourist Office	In the city
7	Remarks	NIL

### LTBQ AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Category 7 (Civil) Category 4 (During Military base operating hours)
2	Rescue equipment	Available
3	Capability for removal of disabled aircraft	Vehicles are provided from the Public Organizations for narrow body aircraft on request of airline operator. Ankara Esenboğa, İstanbul Ataturk, Antalya or İzmir Adnan Menderes 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.

### LTBQ AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	2 snow removals, 1 snow blower, 1 RWY sweeper
2	Clearance priorities	1- RWY; 2- TWY A; 3- Vehicle manoeuvring area in front of ARFF station; 4- Civil Apron; 5- Navigational aid equipments critical area. 6- Aerodrome ring path and the other areas.
3	Remarks	Braking Action assessment by 1 NAC Dynamic and 1 ASFT

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

1	Apron surface and strength	<b>Civil Apron:</b> Concrete, PCN 70 R/C/W/T, LCN 75 <b>Military Apron:</b> Concrete, PCN 92 R/C/W/T, LCN 87
2	Taxiway width, surface and strength	<b>TWY A (Civil):</b> Width: 24 M Concrete, PCN 80 R/C/W/T, LCN 82 <b>TWY E, F, G (Mil):</b> Width: 12 M, Concrete, PCN 39 R/C/X/T, LCN 53 <b>TWY C, D (Mil):</b> Width 15M, Concrete, PCN 79 R/C/W/T, LCN 80
3	Altimeter Check Point location and elevation	At Civil Apron; 58 M
4	VOR checkpoints	-
5	INS checkpoints	See AD Parking Chart

6	Remarks	TWY E closed to traffic
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**LTBQ 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	Taxiing guidance signs available where appropriate, Guidelines and stand numbers available at Apron.
2	RWY and TWY markings and LGT	RWY: Edge, THR, Designation, Centerline, TDZ and Aiming Point as appropriate marked. <a href="#">For LGT see item 2.14</a> TWY: Edge, centerline, Holding Position, Advanced TWY centerline as appropriate marked. <a href="#">For LGT see item 2.15</a>
3	Stop bars and runway guard lights	Stop bars: Not available Runway Guard Lights: Not available
4	Other runway protection measures	-
5	Remarks	NIL

**LTBQ AD 2.10 AERODROME OBSTACLES**

Due to huge amount of obstacles; an electronic file of AD obstacles is available from the link LTBQ AD 2.10 under obstacle folder via AIP Türkiye link on <https://www.dhmi.gov.tr>

**LTBQ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	Associated MET Office	Kocaeli / Cengiz Topel
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	Kocaeli / Cengiz Topel 9 HR
4	Type of landing forecast Interval of issuance	TREND 1 HR
5	Briefing/consultation provided	Personal consultation
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	Cengiz Topel Control Tower
10	Additional information (limitation of service, etc.)	Aerodrome Warnings

**LTBQ 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		
09	096.30°	2990x30	LCN 82 Concrete PCN 80 R/C/W/T -	404411.44N- 0300356.47E - GUND: 120 FT	THR 53 M / 174 FT		
27	276.32°	2990x30	LCN 82 Concrete PCN 80 R/C/W/T -	404400.79N- 0300603.02E - GUND: 120 FT	THR 55.5 M / 182 FT TDZ 56.6 M / 186 FT		
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
0.15%	-	-	3110x150	90x60	-	-	CBR can vary within RESA due to meteorological conditions
0.15%	-	-	3110x150	90x60	-	-	

**LTBQ AD 2.13 DECLARED DISTANCES**

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
09	2990	2990	2990	2990	-
27	2990	2990	2990	2990	-
27	2505	2505	2505	-	Take off from intersection with TWY A

**LTBQ 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
09	-	Green	PAPI 3 DEG MEHT 50 FT	-	-	2990 M, 60 M, Color coded White/Yellow LIH	Red	-	NIL
27	Simple APP 900 M Calvert System LIH	Green	PAPI 3.5 DEG MEHT 65 FT	-	-	2990 M, 60 M, Color coded White/Yellow LIH	Red	-	

**LTBQ 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 Secondary ABN: Flg W/G 150 FT South of the TWR
2	LDI location and LGT Anemometer location and LGT	LDI: See ADC for location; LGTD Anemometer: -
3	TWY edge and centre line lighting	Edge
4	Secondary power supply/switch-over time	Secondary power supply available. Switch-overtime UPS (0) second time
5	Remarks	Apron LGTD

**LTBQ AD 2.16 HELICOPTER LANDING AREA - NIL****LTBQ AD 2.17 ATS AIRSPACE**

1	Designation and lateral limits	CTR: Centred on 404406N-0300500E Radius 5 NM
2	Vertical limits	3000 FT AMSL/SFC
3	Airspace classification	NIL
4	ATS unit call sign Language(s)	Topel Tower TU-EN
5	Transition altitude	12000 FT
6	Remarks	NIL

**LTBQ AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Channel	Hours of operation	Remarks
1	2	3	4	5
TWR	Topel TWR	122.1 MHz 257.8 MHz 119.05 MHz *121.5 MHz *243.0 MHz	NOTAM	*Emergency
APP	Topel APP	122.1 MHz 120.3 MHz 362.3 MHz	NOTAM	Civil
ATIS	Topel Information	127.55 MHz	HO	
SAR	Topel Rescue Sub-center	3023 KHz 5680 KHz	HO	

**LTBQ 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
VOR/DME	CTP	117.4 MHz CH121X	H24	404414.9N 0300416.9E	65 M	-

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	CTP	307 KHz	H24	404414.9N 0300416.9E	-	-
NDB	ARF	383.5 KHz	H24	404354.2N 0300515.4E	-	At field
TACAN	ARF	CH86X	H24	404416.0N 0300355.3E	60 M	At field
LLZ RWY 27 ILS CAT I	ICNG	108.35 MHz	H24	404412.2N 0300348.0E	-	-
GP	-	333.95 MHz	H24	404405.4N 0300549.4E	-	-
DME	ICNG	CH20Y	H24	404405.4N 0300549.4E	61 M	-

**CTP VOR/DME unusable BTN R105-R240, beyond 18 NM below 14000 FT**  
**CTP NDB unusable BTN 105-240 degrees, beyond 18 NM below 14000 FT**  
**ICNG ILS unusable outside 10 degrees left side of LLZ centreline (90 Hz. sector II)**

## LTBQ AD 2.20 LOCAL AERODROME REGULATIONS

- 1- ATC ünitelerince aksi belirtilmedikçe meydan turları kuzeyde olacaktır.
- 2- Kalkış yapacak uçakların pilotları, ATC müsaadesi almak için motor çalıştırmadan 10 dk önce 119.050 MHz / 122.100 MHz frekanslarından Topel Kule ile temas kuracaklardır.
- 3- Yoğun askeri trafik nedeniyle eğitim amaçlı iniş kalkış çalışmalarına meydan turu ve alet alçalması dahil izin verilmemektedir.
- 4- 27 pistine iniş yapan trafikler pist içinden geri dönüş yaparak A taksiyolunu kullanarak DHMİ park sahasına gideceklerdir. .
- 5- Pist içinde geri dönüşler kule müsaadesi ile olacaktır.
- 6- Düşük görüş koşullarında, Follow-me hizmeti TWY A Holding Pointte başlar, park yerine kadar devam eder.
- 7- Kullanım şekli: Askeri-sivil serbest kullanımlı, bakınız AD 1.1-5

- 1- Unless otherwise specified by relevant ATC units, circling shall be conducted in the north.
- 2- Pilots-in-command of the aircraft ready for departure, in order to take ATC clearance, shall contact with Topel ATC Tower 10 minutes before start-up through 119.050 MHz / 122.100 MHz frequencies.
- 3- Due to intense military air traffic, landing and take-off operations for training activities shall not be permitted including circling and instrument approach.
- 4- All traffic landing on RWY 27 shall do back-track within the RWY and proceed to Civil Apron via TWY A.
- 5- Back-track within the RWY shall be done by ATC TWR clearance.
- 6- At low visibility conditions Follow-me service starts at TWY A HP and continues till parking area.
- 7- Available to: Military-civil prior permission not required, see AD 1.1-5

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

## LTBQ AD 2.22 FLIGHT PROCEDURES

- 1- Meydana gelecek veya transit geçecek VFR trafikler MTMA ya girmeden önce Topel Yaklaşma ile temas edecekler, Yaklaşma ile temas edemedikleri durumlarda ise kule ile temas edeceklerdir.

- 1- All VFR traffic either en-route or planned to use the aerodrome shall contact with Topel Approach or if not possible, with ATC TWR before entering MTMA..

2- VFR trafikler meydana yaklaşırken veya ayrılırken İzmit Körfezinin kuzeyini muhafaza edecek. LTR 25 tahditli sahasını ve LTD 1 Tehlikeli sahasını ihlal etmeyeceklerdir.

3- MTMA da çalışacak veya transit geçecek trafikler uçuş planlarını LTBQZGZX adresine göndereceklerdir.

4- Havalimanını kullanmak isteyen sivil trafiklere, hafta içi 0530-1400 UTC; çalışma saatleri dışında ve hafta sonu, 119.050 MHz ve 120.300 MHz frekanslarından Radarsız Yaklaşma Kontrol Hizmeti verilecektir.

### LTBQ AD 2.23 ADDITIONAL INFORMATION

Havalimanı Kuş Göçü Yolları Üzerindedir:

1- Leylek sürülerinin 1 Mart-15 Nisan tarihleri arasında güneyden kuzeye, 15 Ağustos-30 Eylül arasında kuzeyden güneye hareketliliği gözlenebilir. Bu uçuşlar eğer göç uçuşu ise 2500-3000 FT arasındadır. Beslenme ve konaklama uçuşarı ise 50-1000 FT arasındadır.

2- Martı ve sumru uçuşları 15 Şubat-15 Mart arasında beslenme amaçlı pisti kullanmaktadırlar. Göç hareketliliği ise kış aylarında (15 Aralık-15 Şubat) İzmit Körfezi ve Sapanca Gölü arasında gözlenebilir. Bu uçuşlar genellikle 1000-1500 FT AGL'de gerçekleşmektedir.

3- Kırlangıç ve Ebabil sürüleri ise az çarpışma riski olan kuş türü gruplarıdır ve pist üzerinde 0-500 FT arasında Nisan-Eylül ayları arasında olmaktadır.

4- Kaz ve Ördekler ise 7000 FT civarında ve gece göç eden tehlike arz eden gruplar arasındadır. Ayrıca 1-30 Mayıs arasında ve sonbahar göçü ise 15 Ağustos-15 Eylül arasında 5000 FT üzerinde pelikan göçü gündüz saatlerinde gerçekleşmektedir.

5- Hudut kapısı.

6- Pist merkez hattına paralel olarak şerit saha üzerinde 67-75 M mesafelerde pist boyunca ve pistin her iki tarafında açık drenaj kanalı bulunmaktadır.

7- 09/27 pisti şerit sahasının ilk 75 M den sonraki alanı enine, boyuna ve yukarı eğim kriterlerini sağlamamaktadır.

2- VFR traffic when approaching to/departing from the aerodrome shall preserve the North of İzmit Bay. LTR 25 Restricted Area and LTD 1 Dangerous Area shall not be infringed.

3- All en-route/local traffic to operate within/through MTMA shall send their FPL to LTBQZGZX.

4- Both at the week days out of 0530-1400 UTC working hours and at the weekends, Non Approach Control Service via frequencies 119.050 MHz and 120.300 MHz shall be provided for civilian traffic intending to use the airport.

Aerodrome is on the crossroads of Bird Migration:

1- Stork herds may be observed from South to North from 1 March to 15 April and from North to South from 15 August to 30 September. These movements are between 2500-3000 FT if it's a migration movement, and between 50-1000 FT if it is a feeding and accommodation movement.

2- Gull and tern flights are used for feeding purpose between 15 February and 15 March. Migration activity may be observed between İzmit Bay and Sapanca Lake in Winter (15 December-15 February). These flights usually take place at 1000-1500 FT AGL.

3- Swallow and midwinter flocks are groups of bird species with low risk of collision and are between 0-500 FT on the RWY between April-September.

4- On the other hand geese and ducks are among the groups that pose danger which migrate at night at 7000 FT. In addition, pelican migrate during daylight hours above 5000 FT between May 01-30 and autumn migration between August 15 and September 15.

5- Border gate.

6- There are open drainage channels along the RWY and on both sides of the RWY at distance of 67-75 M on the strip area parallel to the runway center line.

7- RWY 09/27 does not meet the longitudinal and upward slope criteria for the first 75 M of the strip area.

### LTBQ AD 2.24 AERODROME CHARTS

Aerodrome Chart	AD 2 LTBQ ADC
Aircraft Parking/Docking Chart	AD 2 LTBQ PRKG
Standard Instrument Departure Chart (SID) RWY 09	AD 2 LTBQ SID-1
Standard Instrument Departure Chart (SID) RWY 27	AD 2 LTBQ SID-2
Standard Instrument Arrival Chart (STAR) RNAV (GNSS) RWY 09	AD 2 LTBQ STAR-1
Standard Instrument Arrival Chart Description (STAR) RNAV (GNSS) RWY 09	AD 2 LTBQ STAR-1A
Standard Instrument Arrival Chart (STAR) RNAV (GNSS) RWY 27	AD 2 LTBQ STAR-2
Standard Instrument Arrival Chart Description (STAR) RNAV (GNSS) RWY 27	AD 2 LTBQ STAR-2A
Instrument Approach Chart NDB (CTP) A	AD 2 LTBQ IAC-1
Instrument Approach Chart NDB (CTP) B	AD 2 LTBQ IAC-2
Instrument Approach Chart NDB C	AD 2 LTBQ IAC-3

Instrument Approach Chart VOR A	AD 2 LTbQ IAC-4
Instrument Approach Chart VOR B	AD 2 LTbQ IAC-5
Instrument Approach Chart ILS CAT I or LOC RWY 27	AD 2 LTbQ IAC-6
Instrument Approach Chart RNP RWY 09	AD 2 LTbQ IAC-7
Instrument Approach Procedure Descriptions and Waypoint List RNP RWY 09	AD 2 LTbQ IAC-7A
Minimum Radar Vectoring Altitude Chart	AD 2 LTbQ MRVC
Bird Concentration and Movement Chart	AD 2 LTbQ BRD