LTCF AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LTCF - KARS HARAKANİ

LTCF AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	403344N-0430653E on RWY 06R/24L,1700 M from RWY 06R THR
2	Direction and distance from (city)	6 KM S of Kars
3	Elevation/Reference temperature/ Mean low temperature	5889 FT / 35°C / -28°C
4	Geoid Undulation at AD ELEV PSN	84 FT
5	MAG VAR/Annual change	6.6°E (2026) / 0.02° increasing
6	AD Operator, address, telephone, telefax, e-mail, AFS, website	DHMİ Kars Harakani Havalimanı Müdürlüğü / Kars / TÜRKİYE Switchboard : +90 474 2135668 Airport Authority : +90 474 2135669 Airport Manager : +90 474 2135668 Ext: 1018 AIM Tel : +90 462 3259952 Ext: 1272 (LTCG AIMOC) AIM Fax : +90 462 3259297 (LTCG AIMOC) Fax (Airport Authority) : +90 474 2135691 Fax (Airport Manager) : +90 474 2135531 AFS : LTCFYDYX email : kys.ksy.isl@dhmi.gov.tr website : http://kars.dhmi.gov.tr
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	NIL

LTCF 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	Provided by Trabzon (LTCG) AIM Operation Center (AIMOC)
5	ATS Reporting Office (ARO)	Provided by Trabzon (LTCG) AIM Operation Center (AIMOC)
6	MET Briefing Office	H24
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

LTCF 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	By tankers (100 Tones)
4	De-icing facilities	Available
5	Hangar space for visiting aircraft	Not available

6	Repair facilities for visiting aircraft	Not available
7	Remarks	NIL

LTCF AD 2.5 PASSENGER FACILITIES

1	Hotels	In the city.
2	Restaurants	Cafe-Bar Restaurant at AD
3	Transportation	Bus, taxi and car rental
4	Medical facilities	First Aid at AD
5	Bank and Post Office	ATM at AD, Post Office in the city
6	Tourist Office	In the city
7	Remarks	NIL

LTCF AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Category 7
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, istanbul 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.

LTCF AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	Snow Removal Equipment (Mechanical), Chemical de-icing
2	Clearance priorities	Standard. See AD 1.2-2
3	Remarks	See AD 2.2.6 for contact information. Braking action assessment by Runway Friction Tester Equipment/Vehicle

LTCF AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS / POSITIONS DATA

1	Apron surface and strength	Surface: Concrete, Strength: PCN 110 R/C/W/T
2	Taxiway width, surface and strength	**TWY A, B, C, C1, D, E:** Width: 24 M, Surface: Asphalt, Strength: PCN 75 F/C/W/T
3	Altimeter Check Point location and elevation	At Apron; 1795 M
4	VOR checkpoints	-
5	INS checkpoints	See AD Parking Chart
6	Remarks	NIL

LTCF AD 2.9 SURFACE MOVEMENT GUIDANCE AND 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 lighted and available at intersections with TWY and RWY and at all holding positions Guidelines and stand numbers available at Apron. Push-back service is provided for all stands.
2	RWY and TWY markings and LGT	**RWY 06R/24L-06L/24R:** Designation, Edge, THR, Centerline, TDZ, Aiming Point, Turn pad. Markings available, For LGT see item 2.14 **TWY:** Edge, Centerline, Holding Position. Markings available, For LGT see item 2.15
3	Stop bars Runway Guard Lights	Stop bars: Available at TWY A, C, C1, E Runway Guard Lights: Available at TWY A, C, C1, E
4	Other runway protection measures	NIL
5	Remarks	NIL

LTCF AD 2.10 AERODROME OBSTACLES

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

LTCF AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	KARS
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	KARS 24 HR
4	Trend forecast Interval of issuance	TREND 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	Kars Control TWR
10	Additional information (limitation of service, etc.)	Aerodrome Warnings

LTCF 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
06R	064.53°	3500x45m	LCN 95 PCN 100 F/D/W/T Asphalt	403320.40N - 0430547.71E - GUND 84 FT	THR 5873 FT TDZ 5884 FT
24L	244.55°	3500x45m	LCN 95 PCN 100 F/D/W/T Asphalt	403409.16N 0430802.03E - GUND: 84 FT	THR 5870 FT
*06L	064.53°	3500x45m	LCN 76 PCN 75 F/C/W/T Asphalt	403325.74N - 0430544.37E - GUND 84 FT	THR 5874 FT TDZ 5883 FT
*24R	244.55°	3500x45m	LCN 76 PCN 75 F/C/W/T Asphalt	403414.50N - 0430758.70E - GUND 84 FT	THR 5872 FT

**RWY 06L/24R will be used as TWY and used as RWY if required.*

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
(06R) 0.35%	-	-	3620x280	180x90	-	-	CBR can vary within RESA due to meteorological conditions. RWY 06L/24R shall be used as TWY by civil ACFT. It can be used as RWY for landing or take off in emergency situations and when RWY 06R/24L is closed due to maintenance purposes.
(24L) 0.37%	-	-	3620x280	90x100	-	-	
(06L) 0.35%	-	-	3620x280	240x150		-	
(24R) 0.29%	-	-	3620x280	90x100	-	-	

LTCF AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
06R	3500	3500	3500	3500	NIL
24L	3500	3500	3500	3500	NIL
06L	3500	3500	3500	3500	NIL
24R	3500	3500	3500	3500	NIL

LTCF 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
06R	Simple APP Barette System 450 M (of which 450 M is flashing), LIH	Green	PAPI (Left) 3 DEG 47 FT	-	-	3500 M, 60 M color coded White/Yellow, LIH	Red	-	NIL
24L	Precision APP Barette System CAT I 900 M (of which 900 M is flashing), LIH	Green	PAPI (Left) 3 DEG 47 FT	-	-	3500 M, 60 M color coded White/Yellow, LIH	Red	-	
06L	Simple APP Barette System 450 M (of which 450 M is flashing), LIH	Green	PAPI (Left) 3 DEG 53 FT	-	-	3500 M, 60 M color coded White/Yellow, LIH	Red	-	
24R	Precision APP Barette System CAT I 900 M (of which 900 M is flashing), LIH	Green	PAPI (Left) 3 DEG 53 FT	-	-	3500 M, 60 M color coded White/Yellow, LIH	Red	-	

LTCF AD 2.15 OTHER LIGHTING AND SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: Flg W.G. top of TWR White-Green SS / SR
2	LDI location and LGT Anemometer location and LGT	**LDI:** Not available **Anemometers:** One of them is 320 M inside from RWY 06R THR; the other one is 320 M inside from RWY 24L THR; LGTD
3	TWY edge and centerline lighting	**Edge, Centerline:** For all TWYs.
4	Secondary power supply/switch-over time	Available. UPS (0) second
5	Remarks	RTIL available for RWY. **Apron:** LGTD **WDI:** Available, LGTD. **Turn Pads for RWY 06L/24R:** LGTD

LTCF AD 2.16 HELICOPTER LANDING AREA - NIL

LTCF AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	CTR: Centered on 403330N-0430555E Radius 5 NM
2	Vertical limits	7000 FT AMSL SFC
3	Airspace classification	-
4	ATS unit call sign Language(s)	Kars Tower TU-EN
5	Transition altitude	12000 FT
6	Remarks	APP Service is provided by a) Kars APP b) Kars TWR when required or transferred by Kars APP

LTCF AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Channel	Hours of operation	Remarks
1	2	3	4	5
TWR/APP	Kars TWR/APP	118.0 MHz 122.4 MHz 376.575 MHz *121.5 MHz *243.0 MHz	HO	*Emergency
	GND	121.9 MHz	HO	
SAR	Kars Rescue Sub-center	123.1 MHz 282.8 MHz 3023 KHz 5680 KHz	HO	
ATIS	Kars Information	129.55 MHz	H24	

LTCF 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 **	KAR	431 KHz	H24	403324.1N 0430614.3E	-	Coverage 75 NM
VOR/DME *	KAR	113.8 MHz CH85X	H24	403324.1N 0430614.3E	1800 M	Coverage 75 NM
LLZ 06R ILS CAT I	IKAR	108.3 MHz	H24	403412.7N 0430811.6E	-	-
GP		334.10 MHz	H24	403321.1N 0430601.4E	-	3 Deg. RDH 55 FT
DME	IKAR	CH20X	H24	403321.1N 0430601.4E	1835 M	-

** KAR VOR/DME 113.8 MHz/CH85X is unusable BTN 360R-070R beyond 30 NM and BTN 071R-135R beyond 20 NM*
*** KAR NDB 431 KHz is unusable BTN 071°-135° beyond 20 NM*

LTCF AD 2.20 LOCAL AERODROME REGULATIONS

1- 06L/24R Pistinin aplikasyonu pist olarak yapılmış fakat taksi yolu (emergency pist) olarak kullanılacaktır.

2- 06R/24L Pistinin tadilatta olması halinde 06L/24R pist olarak kullanılacaktır.

3- 06L/24R pisti üzerinde geri dönüş manevrası (backtrack) yapılmayacaktır. Geri dönüş manevraları (backtrack) pist sonlarındaki dönüş ceplerinden yapılacaktır.

1- RWY 06L/24R is constructed as a RWY but used as TWY (emergency RWY).

2- RWY 06L/24R will be used as RWY if RWY 06R/24L is under construction.

3- Backtrack maneuvers are not allowed on RWY 06L/24R. Backtrack maneuvers will be allowed from the turn pads of runway ends.

LTCF 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 kat edinceye 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.

LTCF AD 2.22 FLIGHT PROCEDURES

Hava-Yer Muhabere Kaybı Usulleri:

Hava-Yer muhabere kaybı durumunda AIP nin ENR 1-3-4.5 maddesinde belirtilen prosedürler uygulanır.

RNAV Usulünü uygulayamayacak IFR Uçaklar:

AD 2 LTCF STAR-1 usulü ile KAR VOR/NDB cihazına devam eder; eğer gerekli ise AIP ENR 1-3-4.5.3.1 f de açıklanan maddeye uygun olabilmesi için, alçalmaya başlayana kadar bu seyrüsefer yardımcısı üzerinde bekler ve bir aletli yaklaşma usulünü uygulayarak inişini gerçekleştirir.

RNAV Usulünü uygulayabilecek IFR Uçaklar:

AD 2 LTCF STAR-3 sayfasında yayınlanan STAR ile 06R pistine inişe gelen trafikler:

Uyguladığı veya uygulayacağı STAR a uygun olarak LUMEX veya RAHMA noktasına devam eder. Eğer gerekli ise AIP ENR 1-3-4.5.3.1 f de açıklanan maddeye uygun olabilmesi için, alçalmaya başlayana kadar bu noktalar üzerinde bekler ve RNP yaklaşma usulünü uygulayarak inişini gerçekleştirir.

AD 2 LTCF STAR-5 sayfasında yayınlanan STAR ile 24L pistine inişe gelen trafikler:

1. FAF ta (SENHO da) veya FAF ı (SENHO yu) geçince;

Yaklaşmaya devam edilir. RNP usulü uygulanarak iniş gerçekleştirilir.

2. FAF tan (SENHO dan) önce;

a- 12000 FT ve üzerinde:

Transponder kod 7600 bağlanır. En son tahsis edilen ve onaylanan uçuş seviyesi kullanılarak uçuş planı rotası takip edilir. BEXAF noktasını geçişi takiben 12000 FT e, alçalışta veya 12000 FT muhafaza edilerek direkt KAR VOR veya NDB ye devam edilir. 12000 FT KAR VOR veya NDB üzerinde terk edilir. Aletli alçalma usulü uygulanarak iniş gerçekleştirilir.

b- 12000 FT altındaki uçaklar:

Yanlamasına RNAV (GNSS) usulü takip edilir. 12000 FT irtifaya tırmanılır veya 12000 FT muhafaza edilerek direkt KAR VOR veya NDB ye devam edilir. 12000 FT KAR VOR veya NDB üzerinde terk edilir. Aletli alçalma usulü uygulanarak iniş gerçekleştirilir.

Radio Failure Procedures:

Procedures mentioned in AIP ENR 1-3-4.5 shall be applied in case of radio failure.

IFR Flights unable to comply with RNAV Procedure:

Proceed to KAR VOR/NDB via AD 2 LTCF STAR-1 procedure; when required to ensure compliance with AIP ENR 1-3-4.5.3.1 f, hold over this aid until commencement of descent and execute the Instrument Approach Procedure (IAP) and land.

IFR Flights able to comply with RNAV Procedure:

Arrival flights via the arrivals published on the AD 2 LTCF STAR-3 page for RWY 06R:

Proceed to LUMEX or RAHMA according to STAR being executed or to be executed. When required to ensure compliance with AIP ENR 1-3-4.5.3.1 f, hold over these fixes until commencement of descent and execute RNP Approach Procedure and land.

Arrival flights via the arrivals published on the AD 2 LTCF STAR-5 page for RWY 24L:

1. At or after FAF (SENHO);

Continue Approach. Execute the RNP procedure and land.

2. Before FAF (SENHO);

a- At or Above 12000 FT:

Select transponder code 7600. Follow the flight plan route using last assigned and acknowledged flight level/altitude. After passing/passed BEXAF proceed direct to KAR VOR or NDB descending/maintaining 12000 FT. Leave 12000 FT at KAR VOR or NDB. Execute Instrument Approach Procedure (IAP) and land.

b- Aircraft Below 12000 FT:

Following the RNAV (GNSS) procedure laterally, climb or maintain 12000 FT. Then, proceed direct to KAR VOR or NDB. Leave 12000 FT at KAR VOR or NDB. Execute Instrument Approach Procedure (IAP) and land.

LTCF AD 2.23 ADDITIONAL INFORMATION

Daimi Hudut Kapısı	Border Gate

LTCF AD 2.24 AERODROME CHARTS

Aerodrome Chart	AD 2 LTCF ADC
Aircraft Parking/Docking Chart	AD 2 LTCF PRKG
Standard Instrument Departure Chart (SID) RWY 06L/R	AD 2 LTCF SID-1
Standard Instrument Departure Chart (SID) RWY 24L/R	AD 2 LTCF SID-2
Standard Instrument Departure Chart (SID) RNAV (GNSS) RWY 06R	AD 2 LTCF SID-3
Standard Instrument Departure Chart (SID) RNAV (GNSS) RWY 24L	AD 2 LTCF SID-4
Standard Instrument Arrival Chart (STAR) RWY 06R	AD 2 LTCF STAR-1
Standard Instrument Arrival Chart (STAR) RWY 24L	AD 2 LTCF STAR-2
Standard Instrument Arrival Chart (STAR) RNAV (GNSS) RWY 06R	AD 2 LTCF STAR-3
Standard Instrument Arrival Chart (STAR) RWY 06L	AD 2 LTCF STAR-4
Standard Instrument Arrival Chart (STAR) RNAV (GNSS) RWY 24L/R	AD 2 LTCF STAR-5
Instrument Approach Chart VOR A, NDB A	AD 2 LTCF IAC-1
Instrument Approach Chart VOR Z RWY 06R	AD 2 LTCF IAC-2
Instrument Approach Chart ILS Z CAT I or LOC Z RWY 06R	AD 2 LTCF IAC-3
Instrument Approach Chart RNP RWY 06R	AD 2 LTCF IAC-4
Instrument Approach Chart VOR Y RWY 06L	AD 2 LTCF IAC-5
Instrument Approach Chart RNP RWY 24L	AD 2 LTCF IAC-6
Instrument Approach Chart RNP RWY 24R	AD 2 LTCF IAC-7