

**AD 2.1 AERODROME LOCATION INDICATOR AND NAME****LCEN LEFKOŞA/ERCAN INTERNATIONAL****LCEN AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP coordinates and site at AD	350856N-0332959E
2	Direction and distance from (city)	27 km
3	Elevation/Reference temperature/ Mean low temperature	402 FT / 39° C / 5° C
4	Geoid Undulation at AD ELEV PSN	90 FT
5	MAG VAR/Annual change	4° E (2012)
6	AD Administration, address, tele- phone, telefax, telex, AFS	T&T Havalimanı İşletmeciliği İnşaat Sanayi ve Ticaret Şirketi Limited Ercan/Lefkoşa Switchboard : +90 392 600 50 00 Airport Authority : +90 392 600 51 00 Airport Manager : +90 392 600 51 81 Fax : +90 392 231 46 85 AIM Tel : +90 392 600 58 21 : +90 392 600 58 26 AIM Fax : +90 392 231 47 71 AFS : LCENYDYX
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	NIL

**LCEN AD 2.3 OPERATIONAL HOURS**

1	AD Administration	H24
2	Customs and immigration	H24
3	Health and sanitation	H24
4	AIS Briefing Office	H24
5	ATS Reporting Office (ARO)	H24
6	MET Briefing Office	H24 Tel : +90 392 231 46 58 Fax : +90 392 228 42 50
7	ATS	H24
8	Fueling	H24
9	Handling	H24
10	Security	H24
11	De-icing	-
12	Remarks	NIL

#### LCEN AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Vehicles and equipment provided by İstanbul Handling Service Co.
2	Fuel/oil types	Jet A1
3	Fuelling facilities/capacity	By tanker unlimited
4	De-icing facilities	-
5	Hangar space for visiting aircraft	-
6	Repair facilities for visiting aircraft	-
7	Remarks	NIL

#### LCEN AD 2.5 PASSENGER FACILITIES

1	Hotels	In Lefkoşa
2	Restaurants	At AD
3	Transportation	Taxi and Bus
4	Medical facilities	Medical room for first aid treatment, ambulances At AD, hospital in Lefkoşa
5	Bank and Post Office	At AD
6	Tourist Office	At AD
7	Remarks	NIL

#### LCEN AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Category 7 (Category 8 and Category 9 on demand)
2	Rescue equipment	2 Fire fighting vehicles with dry chemical powder unit, 4 fire fighting vehicles with foam-water, 1 watering truck
3	Capability for removal of disabled aircraft	Vehicles are provided from public organization
4	Remarks	RWY foaming not available

#### LCEN AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	Not available
2	Clearance priorities	Not available
3	Remarks	Information on RWY affected by standing water not associated with snow or ice disseminated by NOTAM

**LCEN AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA**

1	Apron surface and strength	<b>Apron 1:</b> Surface: Concrete Strength: PCN 99/R/B/W/T <b>Apron 2:</b> Surface: Concrete Strength: PCN 100/R/D/X/T
2	Taxiway width, surface and strength	<b>TWY A:</b> Width: 23 M Surface: Asphalt Strength: PCN 80/F/C/XT <b>TWY B:</b> Width: 24 M Surface: Concrete Strength: PCN 80/F/C/X/T <b>TWY's C, D, E, F, H, J, K :</b> Width: 23 M Surface: Concrete Strength: PCN 99 /R/B/W/T <b>TWY G:</b> Width: 23 M Surface: Asphalt Strength: PCN 83/F/C/XT for 131 M from 11L/29R Runway junction, the rest is concrete, PCN 99/R/B/W/T
3	Altimeter Check Point location and elevation	<b>Apron 1:</b> 114 M <b>Apron 2:</b> 114 M
4	VOR checkpoints	-
5	INS checkpoints	-
6	Remarks	NIL

**LCEN 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 at all intersections with TWY and RWY and at all holding positions. Guide lines, aircraft stand markings and nose-in guidance available at Apron. Push-back service is provided for all stands.
2	RWY and TWY markings and LGT	<b>All RWYs:</b> Designation, Edge, THR, Centerline, TDZ. Aiming Point markings available. <b>TWYs:</b> Edge, Centerline (for TWYs: A, B, G, H, J, K) Holding Positions (for TWYs: A, B, G, H, J, K) markings available. For LGT see Item 2.15
3	Stop bars and Runway guard lights	Stop bars: Available at TWYs A, B, G, H, J and K. Runway Guard Lights : Available at TWYs A, G, H, J and K.
4	Other runway protection measures	-
5	Remarks	NIL

**LCEN AD 2.10 AERODROME OBSTACLES**

Obstacle Type	Coordinates	Elevation at top (FT)	Height (FT)	Obstacle Lighting	Type and color of lighting
Terrain	350749.03N 0332800.51E	502	-	-	-

**LCEN AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	Associated MET Office	Available
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	Available 9-18 hours
4	Type of landing forecast Interval of issuance	TREND-H24
5	Briefing/consultation provided	Personnel briefing
6	Flight documentation Language(s) used	TU-EN
7	Charts and other information available for briefing or consultation	S, U85, U70, U50, U30
8	Supplementary equipment available for pro- viding information	Telefax, self briefing terminal
9	ATS units provided with information	ERCAN ACC, ERCAN APP, ERCAN TWR
10	Additional information (limitation of service, etc.)	NIL

**LCEN AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

Designations RWY NR	TRUE & MAG 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
11L	111.69°	2755X45	PCN 80 F/C/X/T RWY: Composite SWY: Asphalt	350935N 0332915E - -	THR 116.7 M / 383 FT
29R	291.70°	2755X45	PCN 80F/C/X/T RWY: Composite SWY: Asphalt	350902N 0333056E - -	THR 108.5 M / 356 FT
11R	111.69°	3000X45	PCN 99 R/B/W/T RWY: Concrete SWY: -	350916.13N 0332951.21E - 90 FT	THR 116.7 M / 383 FT
29L	291.70°	3000X45	PCN 99 R/B/W/T RWY: Concrete SWY: -	350839.99N 0333141.25E - 90 FT	THR 99.2 M / 325 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
0.3%	60X45	-	2875X300	-	-	-	NIL
0.7%	60X45	-	2875X300	-	-	-	
0.6%	-	-	3120X210	240X150	-	-	
0.6%	-	-	3120X210	240X150	-	-	

**LCEN AD 2.13 DECLARED DISTANCES**

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
11L	2755	2755	2815	2755	NIL
29R	2755	2755	2815	2755	
11R	3000	3000	3000	3000	
29L	3000	3000	3000	3000	

**LCEN 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
11L	-	Green	PAPI (Left) 3.5°	-	-	2755 M, 50 M Color coded White LIH	Red	-	NIL
29R	PrecisionApp Calvert System 900 M CAT I LIH	Green	PAPI (Left) 3°	-	-	2755 M, 50 M Color coded White LIH	Red	-	
11R	PrecisionApp Barette System 900 M CAT I LIH	Green	PAPI (Left) 3.5° 16 FT	-	-	3000 M, 60 M Color coded White/Yellow LIH	Red	-	
29L	PrecisionApp Barette System 900 M CAT I LIH	Green	PAPI (Left) 3° 16 FT	-	-	3000 M, 60 M Color coded White/Yellow LIH	Red	-	

**LCEN AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

1	ABN/IBN location, characteristics and hours of operation	ABN W,G H24
2	LDI location and LGT Anemometer location and LGT	LDI: LGTD
3	TWY edge and centre line lighting	Edge: TWY's A, B, G, H, J, K Centerline: TWY's G, H, J, K
4	Secondary power supply/switch-over time	12 seconds
5	Remarks	NIL

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

**LCEN AD 2.17 ATS AIRSPACE**

1	Designation and lateral limits	ECN CTR centered 350858N-0332913E radius 10 NM
2	Vertical limits	SFC to 2000 FT/AMSL
3	Airspace classification	-
4	ATS unit call sign Language(s)	ERCAN TWR TU, EN
5	Transition altitude	6000 FT
6	Remarks	Make circling approach north of aerodrome

**LCEN AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	ERCAN	120.450 MHZ 120.375 MHZ 120.250 MHZ	H24	*Emergency
APP	ERCAN	127.750 MHZ 119.775 MHZ *121.5 MHZ	H24	
SAR	ERCAN RCC	121.5 MHZ 243.0 MHZ 2182 KHZ	H24	
ATIS	ERCAN	118.350 MHZ	H24	

## LCEN 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	ECN	117.0 MHZ CH117X	H24	350924N 0332929E	40 M	Coverage 250NM
* LLZ 29R ILS CAT I	IECR	108.3 MHZ	H24	350938N 0332907E	-	
GP		334.1 MHZ	H24	350909.6N 0333046.3E	-	3° RDH: 55 FT
DME	IECR	CH20X	H24	350909.6N 0333046.3E	110 M	
LLZ 29L ILS CAT I	IEKT	110.7 MHZ	H24	350920.3N 0332938.6E	-	
GP		330.2 MHZ	H24	350839.7N 0333129.4E	-	3° RDH: 55 FT
DME	IEKT	CH44X	H24	350839.7N 0333129.4E	100 M	
<p>* Due to boundary ECN RWY 29R IECR ILS/DME unusable outside 10 degrees left side of LLZ centerline (90 HZ sector II) and beyond 11 NM (90 HZ-150 HZ sector I) of LLZ antenna for CAT I operations)</p> <p>** ECN VOR/DME unusable within the following areas:</p> <ol style="list-style-type: none"><li>1. BTN R090 - R105 beyond 15 NM;</li><li>2. BTN R106 - R125 beyond 10 NM;</li><li>3. BTN R126 - R300</li></ol>						

## LCEN AD 2.20 YEREL TRAFİK DÜZENLEMELERİ

## Meydan Kullanma Tedbirleri

## 1.MOTOR TESTİ İÇİN UYULMASI GEREKEN KURALLAR:

Havalimanında motor testi yapan uçakların uyması gereken kurallar:

a) Motor testi yapmadan önce Ercan TWR 120.450 MHz frekansından temas kurulacaktır.

b) Motor Test işlemleri Motor Test alanında yapılacaktır, park pozisyonlarında kesinlikle motor testi veya yüksek güçte motor çalıştırma yapılmayacaktır. Motor testi kontrol Kulesinden alınacak izin doğrultusunda yalnızca motor test alanında yapılacaktır.

c) Herhangi bir nedenle Motor Test Alanında motor testi yapılamaması durumunda test işlemleri ATC unitesi koordinesiyle A-B taksi yolunda veya pist üzerinde yapılabilecektir.

## LCEN AD 2.20 LOCAL TRAFFIC REGULATIONS

## Limitations on Use of Aerodrome

## 1.RULES FOR ENGINE TEST:

The rules for the aircraft having an engine test at the airport are as follows:

a) Prior to engine testing two-way communication shall be established with ERCAN TWR on frequency 120.450 MHz.

b) Engine testing shall be performed at the Motor Test Area. It is forbidden to test engines and to start-up the motors in high- speed at parking position, pilots must get permission from TWR and can do the test only at the motor testing area.

c) In case the engine testing could not be conducted within the Motor Test Area, due to any reason, the engine test operations shall be held within the portion of TWY A and TWY B and on the Runway in coordination with the ATC.

d) Motor Testi yapılacak yerde tüm emniyet tedbirini almak ve motor test çalışması yapmadan önce ilgili FOD kontrolü yapmak ilgili şirketin sorumluluğundadır.

## 2.EĞİTİM VE TEST UÇUŞLARI

Yoğun trafik nedeniyle eğitim ve test amaçlı iniş-kalkış çalışmalarına, meydan turu, alet alçalması ve touch and go ön izin alınarak yapılabilmektedir.

## 3.BÜYÜK GÖVDELİ UÇAK OPERASYONU

Ercan Havalimanının referans kodu ICAO Annex 14 Cilt 1 Tablo 1-1 kapsamında 4C olup, geniş gövdeli A330 uçakların kullanımı ve park ayarlamaları için önceden izin alınması koşuluyla kabul edilebilir.

## 4.YER HAREKETLERİ

ATC tarafından verilen talimatlar hassasiyetle yerine getirilmelidir. RTF aktarımları net, anlaşılır, kısa ve öz olmalıdır.

## 5.MEYDAN KULLANMA TEDBİRLERİ

-Kullanış şekli: ATC ünitelerince aksi bildirilmedikçe 11L pistine meydan turu Kuzeyden olacaktır.

-Düşük görüş şartlarında ihtiyaç duyulması halinde follow-me hizmeti verilmekte olup, yönlendirme ATC tarafından yapılacaktır.

## 6.KALKIŞLAR

Pilotlar ilk temaslarını şu şekilde yapacaklardır:

a) Çağrı adı + Stand Pozisyonu + ATIS bilgisini aldıklarını teyit eden Kod.

b) Push-back ve motor çalıştırma müsaadesini almış trafik, en geç 1 dakika içerisinde push-back'e başlamalıdır. Aksi takdirde ATC tarafından muhtemel motor çalıştırma zamanı verilecektir.

c) Pilotlar Kalkış için piste girene kadar gerekli kontrolleri tamamlamış ve pist içindeki kontrollerini minimuma indirmiş olmalıdırlar. Pilotların müsaadelere 10 saniye içerisinde reaksiyon göstermesi beklenir; aksi takdirde ATC pist işgalini engellemek için söz konusu uçağa

d) Kalkış için piste giriş müsaadesi verilen bir uçak, kalkış kleransıya birlikte derhal kalkışa hazır olmalıdır. Bu koşulu karşılayamayacak olan uçağın pilotu, piste giriş müsaadesini takiben durumu ilgili ATC unitesine bildirmekle yükümlüdür.

d) Taking all safety measures and controlling FOD before engine test activity on related areas is under the responsibility of the respective companies.

## 2. TRAINING and TEST FLIGHTS

Due to heavy traffic, all kind of landing and take-off activities of training and test purpose including traffic patterns, instrument landing and touch-and-go are accepted with permission in advance.

## 3. WIDE BODY AIRCRAFT OPERATIONS

Ercan Airport reference number is 4C in the scope of ICAO annex 14 volume 1 table 1-1, can only be accepted for parking and use of a wide body A330 aircraft with a permission beforehand.

## 4. GROUND MOVEMENT

The instructions given by ATC should be implemented in a timely and proper manner. RTF communications should be short, precise, clear and comprehensive.

## 5. LIMITATIONS ON USE OF AERODROME

- Available to: Unless the ATC unit have not declared otherwise, the flight course for RWY 11L shall be from North.

- if needed, follow-me service will be provided in low visibility conditions, guidance will be done by ATC.

## 6. DEPARTURES

Pilots shall contact with Clearance Delivery as follows;

a) Call sign + Stand Position + Code confirming ATIS message received

b) Traffic granted with push-back and engine start-up permissions must start push-back within 1 minute at the latest, otherwise estimated start-up time shall be instructed by ATC

c) Pilots must have accomplished all required cockpit checks for take-off before entering RWY, and hence restrained their final checks only to minimum for take-off when entered the RWY. Pilots are deemed to react to the take-off clearances within 10 seconds at the latest. Otherwise ATC, in order to prevent the redundant RWY occupation, has the authority to withdraw the aircraft from the take-off course and re-direct it to the end of departure sequence.

d) Pilots, granted line up clearance, must be ready to depart immediately after they receive take off clearance. Pilot-in command who is unable to comply with this requirement shall notify the relevant ATC unit, just after receiving the line-up clearance.

## LCEN AD 2.21 NOISE ABATEMENT PROCEDURES - NIL



**LCEN AD 2.22 FLIGHT PROCEDURES**

RWY 11L/R için RNP uygulayan uçaklar için muhabere kaybı usulleri:

1) FAF'ta (EN104) veya FAF'ı (EN104) geçince:

Yaklaşmaya devam edilir. RNP usulü uygulanarak iniş gerçekleştirilir.

2) FAF'tan (EN104) önce:

a) 5500 FT ve üzerinde:

Transponder kod 7600 bağlanır. En son tahsis edilen ve onaylanan uçuş seviyesi kullanılarak uçuş planı rotası takip edilir. EN103 (IF) noktasını geçişi takiben 5500 FT e alçalışta veya 5500 FT muhafaza edilerek direkt ECN VOR a devam edilir. Aletli alçalma usulü uygulanarak iniş gerçekleştirilir.

b) 5500 FT altında:

Yanlamasına RNAV (GNSS) usulü takip edilir. 5500 FT irtifaya tırmanılır ve 5500 FT muhafaza edilerek direkt ECN VOR'a devam edilir. Aletli alçalma usulü uygulanarak iniş gerçekleştirilir.

Radio Failure Procedures executing RNP for RWY 11L/R:

1) At or after FAF (EN104):

Continue Approach. Execute the RNP procedure and land.

2) Before FAF (EN104):

a) At or above 5500 Feet:

Select transponder code 7600. Follow the flight plan route using last assigned and acknowledged flight level/altitude. After passing/passed EN103 (IF) proceed direct to ECN VOR descending/maintaining 5500 Feet. Execute Instrument Approach Procedure (IAP) and land.

b) Below 5500 Feet:

Following the RNAV (GNSS) procedure laterally, climb and maintain 5500 Feet. Then, proceed direct to ECN VOR. Execute Instrument Approach Procedure (IAP) and land.

**LCEN AD 2.23 ADDITIONAL INFORMATION**

Kalkış uçuş güzergahında hiçbir mania bulunmadığından havalimanı A tipi mania planları yayımlanmamıştır.

Because of there are no obstacles on the departure flight route, the aerodrome type A obstacle plans have not been published.

**LCEN AD 2.24 CHARTS RELATED TO ERCAN AERODROME**

Aerodrome Chart	AD 2 LCEN ADC
Parking Chart	AD 2 LCEN PRKG
Standard Instrument Departure Chart (SID) RWY 11L/29R	AD 2 LCEN SID-1
Standard Instrument Departure Chart (SID) RWY 11R/29L	AD 2 LCEN SID-2
Standard Instrument Arrival Chart (STAR) RWY 29L/29R	AD 2 LCEN STAR-1
Standard Instrument Arrival Chart (STAR) RNAV (GNSS) RWY 29R	AD 2 LCEN STAR-2
Standard Instrument Arrival Chart (STAR) RNAV (GNSS) RWY 29L	AD 2 LCEN STAR-3
Instrument Approach Chart VOR RWY 29R	AD 2 LCEN IAC-1
Instrument Approach Chart VOR/DME 1 RWY 29R	AD 2 LCEN IAC-2
Instrument Approach Chart VOR/DME 2 RWY 29R	AD 2 LCEN IAC-3
Instrument Approach Chart VOR/DME 3 RWY 29R	AD 2 LCEN IAC-4
Instrument Approach Chart ILS/DME RWY 29R	AD 2 LCEN IAC-5
Instrument Approach Chart RNP RWY 11L	AD 2 LCEN IAC-6
Instrument Approach Chart RNP RWY 11L	AD 2 LCEN IAC-6A

Instrument Approach Chart RNP RWY 11R	AD 2 LCEN IAC-7
Instrument Approach Chart RNP RWY 11R	AD 2 LCEN IAC-7A
Instrument Approach Chart VOR/DME 1 RWY 29L	AD 2 LCEN IAC-8
Instrument Approach Chart ILS/DME RWY 29L	AD 2 LCEN IAC-9
Minimum Radar Vectoring Altitude Chart	AD 2 LCEN MRVC