

EGTC — CRANFIELD

EGTC AD 2.1 AERODROME LOCATION INDICATOR AND NAME

EGTC — CRANFIELD

EGTC AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	Lat: 520420N Long: 0003700W Mid point of Runway 03/21.
2	Direction and distance from city	7 nm SW of Bedford.
3	Elevation / Reference temperature	358 ft / 18 C
4	Geoid undulation at AD ELEV PSN	154 FT
5	Magnetic Variation/ Annual Change	0.75°W (2017) / 0.15°
6	AD Administration, address, telephone, telefax, AFS, e-mail address, website address	CRANFIELD UNIVERSITY Post: Cranfield Airport, Cranfield University, Cranfield, Bedfordshire, MK43 0AL. Phone: 01234-758150 (Airport Administration) Phone: 01234-750005 (ATC) Phone: 01234-758114 (Aircraft Handling) Phone: 01234-757703 (Airport Operations) Fax: 01234-751805 (Airport Administration) Fax: 01234-754785 (Airport Operations) Email: airport@cranfield.ac.uk URL: www.cranfieldairport.com
7	Type of Traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	

EGTC AD 2.3 OPERATIONAL HOURS

1	Aerodrome Operator	Winter: Mon-Fri 0800-1830; Sat, Sun & PH 0900-1800. Summer: Mon-Fri 0700-1730; Sat, Sun & PH 0800-1700.
2	Customs and Immigration	By arrangement. 24 hours notice required to ATC.
3	Health and sanitation	
4	AIS Briefing Office	
5	ATS Reporting Office (ARO)	
6	MET Briefing Office	
7	Air Traffic Service	As AD hours. See also AD 2.18.
8	Fuelling	As AD hours.
9	Handling	
10	Security	
11	De-icing	
12	Remarks	This AD is strictly PPR . Telephone ATC 01234-750005 for PPR. Licensed departures will not be accepted beyond 1815 Mon-Fri and 1745 Sat, Sun and PH (1 hour earlier in summer) unless an extension to hours has been confirmed.



EGTC AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	
2	Fuel and oil types	AVGAS 100LL AVTUR JET A-1 W80, W100 DTD 585, Aeroshell Compound 06
3	Fuelling facilities/capacity	
4	De-icing facilities	
5	Hangar space for visiting aircraft	
6	Repair facilities for visiting aircraft	
7	Remarks	Handling mandatory for aircraft above 2700 kg.

EGTC AD 2.5 PASSENGER FACILITIES

1	Hotels	On Aerodrome.
2	Restaurants	Cafe on site.
3	Transportation	Taxi, hire car, chauffeur services on request.
4	Medical facilities	
5	Bank and Post Office	On Aerodrome.
6	Tourist Office	
7	Remarks	Executive and pilot lounges available for handled aircraft.

EGTC AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	RFF Category A2
2	Rescue equipment	Appropriate up to RFF Category 6.
3	Capability for removal of disabled aircraft	In the event of an incident, light aircraft can be removed using airport resources. Large aircraft can be removed using an external contractor in conjunction with aircraft operator.
4	Remarks	RFF Category 3 to 6 , available on request, subject to availability by prior arrangement with Airport Administration.

EGTC AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

1	Apron surface and strength	
2	Taxiway width, surface and strength	Taxiway A: 15 m. Taxiway B: 15 m. Taxiway C: 15 m. Taxiway D: 45 m. Taxiway E: 45 m. Taxiway F: 15 m.
3	Altimeter checkpoint location and elevation	
4	VOR checkpoints	
5	INS checkpoints	
6	Remarks	

EGTC 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	
2	Runway and taxiway markings and lighting	
3	Stop bars	
4	Remarks	

EGTC AD 2.10 AERODROME OBSTACLES

In Approach/Take-off areas						
Obstacle ID/Designation	Obstacle Type	Obstacle Position	Elevation/Height		Obstruction Lighting Type/Colour	Remarks
1	2	3	4		5	6
(EGTC3723) 03/APPROACH 21/TAKE-OFF	Hedge	520352.24N 0003723.05W	371 ft		No	
(EGTC1173) 03/APPROACH 21/TAKE-OFF	Road	520352.07N 0003723.04W	379 ft		No	
(EGTC1198) 21/APPROACH 03/TAKE-OFF	Approach Light	520451.88N 0003627.69W	368 ft		No	
(EGTC3794) 21/APPROACH 03/TAKE-OFF	Mast	520449.47N 0003617.95W	407 ft		No	
(EGTC1121) 21/APPROACH 03/TAKE-OFF	Floodlight	520449.08N 0003617.82W	409 ft		No	

In circling area and at aerodrome						
Obstacle ID/Designation	Obstacle Type	Obstacle Position	Elevation/Height		Obstruction Lighting Type/Colour	Remarks
1	2	3	4		5	6
	Frangible Fence	520447.02N 0003632.53W	356 ft		No	
(EGTC1113)	VDF antenna	520445.27N 0003645.84W	379 ft		Yes	
(EGTC1114)	Building	520444.61N 0003645.05W	368 ft		No	
(EGTC3814)	Windsleeve	520439.56N 0003650.51W	376 ft		Yes	
(EGTC1142)	GP antenna	520432.10N 0003639.96W	383 ft		Yes	

EGTC AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	MET OFFICE EXETER.
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	MET OFFICE EXETER. 9 Hours
4	Trend forecast Interval of issuance	
5	Briefing/consultation provided	Self-briefing/telephone
6	Flight documentation Language(s) used	Charts abbreviated plain language text. TAFs and METARs. English
7	Charts and other information available for briefing or consultation	
8	Supplementary equipment available for providing information	
9	ATS units provided with information	CRANFIELD.
10	Additional information (limitation of service, etc.)	

EGTC AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY Number	True bearing	Dimensions of RWY	Surface of RWY/ SWY/ Strength (PCN)	THR co-ordinates/ THR Geoid undulation	THR elevation/ Highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
03	031.73°	1799 x 46 m	RWY surface: Asphalt. PCN 30/F/B/X/U	520400.47N 0003719.28W 154 ft	THR 358 ft
21	211.74°	1799 x 46 m	RWY surface: Asphalt. PCN 30/F/B/X/U	520444.32N 0003635.27W 154 ft	THR 358 ft

Slope of RWY/ SWY	SWY dimensions	Clearway dimensions	Strip Dimensions	OFZ	Remarks
7	8	9	10	11	12
					RWY 03 Runway 03 threshold displaced by 206 m.
					RWY 21

EGTC AD 2.13 DECLARED DISTANCES

Runway designator	TORA	TODA	ASDA	LDA	Remarks
1	2	3	4	5	6
03	1799 m	1799 m	1799 m	1594 m	
21	1672 m	1799 m	1672 m	1672 m	

EGTC AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	Approach lighting Type/ Length/ Intensity	Threshold lighting Colour/ Wing bars	VASIS/ MEHT/ PAPI	TDZ lighting Length	Runway Centre Line lighting Length/ Spacing/ Colour/ Intensity	Runway edge lighting Length/ Spacing/ Colour/ Intensity	Runway end lighting Colour/ Wing bars	Stopway lighting Length/ Colour	Remarks
1	2	3	4	5	6	7	8	9	10
03	405.5 m Light intensity high.	HI inset Green with green elevated wingbars	PAPI Right/3° 42 ft			HI elevated coded omni-directional	Red.		Approach Lighting: Centre-line with two cross-bars PAPI dist from THR: 288 m
21	450 m Light intensity high.	HI elevated Green with green wingbars	PAPI Left/3° 53 ft			HI elevated coded omni-directional	Red.		Approach Lighting: Centre-line with two cross-bars PAPI dist from THR: 373 m Edge Lighting: Colour coded commencing 625 m before runway end.

EGTC AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	
2	LDI location and lighting Anemometer location and lighting	
3	TWY edge and centre line lighting	Taxiway: . Centre line. Bi-directional green reflectors on taxiway centre-line.
4	Secondary power supply/switch-over time	Secondary power supply available with a 15 second changeover time.
5	Remarks	Taxiway lighting is unavailable.

EGTC AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	FATO 03: 520408.77N 0003726.83W 154 ft FATO 21: 520417.07N 0003718.50W 154 ft
2	TLOF and/ or FATO elevation	FATO 03: 351 ft FATO 21: 343 ft
3	TLOF and FATO area dimensions, surface, strength, marking	FATO 03/21: 300 x 23 m Surface: Grass.
4	True bearing of FATO	03: 031.74° 21: 211.74°
5	Declared distance available	
6	Approach and FATO lighting	
7	Remarks	FATOs are unmarked. Helicopters are to land on the threshold of the appropriate FATO unless otherwise advised. FATOs are licensed for daylight use only.

1	Coordinates TLOF or THR of FATO Geoid undulation	FATO 18: 520420.67N 0003721.54W 154 ft FATO 36: 520410.97N 0003720.19W 154 ft
2	TLOF and/ or FATO elevation	FATO 18: 340 ft FATO 36: 347 ft
3	TLOF and FATO area dimensions, surface, strength, marking	FATO 18/36: 300 x 23 m Surface: Grass.
4	True bearing of FATO	18: 175.10° 36: 355.10°
5	Declared distance available	
6	Approach and FATO lighting	
7	Remarks	FATOs are unmarked. Helicopters are to land on the threshold of the appropriate FATO unless otherwise advised. FATOs are licensed for daylight use only.

EGTC AD 2.17 AIR TRAFFIC SERVICES AIRSPACE

Designation and lateral limits	Vertical Limits	Airspace Class	ATS unit callsign/ language	Transition Altitude	Remarks
1	2	3	4	5	6
CRANFIELD ATZ A circle, 2 nm radius centred at 520420N 0003700W on longest notified runway (03/21)	Upper limit: 2000 ft Lower limit: SFC	G	CRANFIELD APPROACH English	6000 ft	

EGTC AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service Designation	Callsign	Channel(s)	Hours of Operation	Remarks
1	2	3	4	5
APP	CRANFIELD AP- PROACH	122.850 MHz DOC 25 nm/6,000 ft.	Winter: Mon-Fri 0800-1830; Sat, Sun & PH 0900-1800. Summer: Mon-Fri 0700-1730; Sat, Sun & PH 0800-1700.	ATZ hours coincident with Ap- proach hours. VDF 520445.28N 0003645.84W On AD.
TWR	CRANFIELD TOWER	134.925 MHz DOC 30 nm/4,000 ft.	Winter: Mon-Fri 0800-1830; Sat, Sun & PH 0900-1800. Summer: Mon-Fri 0700-1730; Sat, Sun & PH 0800-1700.	VDF 520445.28N 0003645.84W On AD.
		122.850 MHz	When directed by ATC	
ATIS	CRANFIELD DEPAR- TURE INFORMATION	121.875 MHz DOC 2 nm/GND.	Winter: Mon-Fri 0800-1830; Sat, Sun & PH 0900-1800. Summer: Mon-Fri 0700-1730; Sat, Sun & PH 0800-1700.	

EGTC AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES (continued)

Service Designation	Callsign	Channel(s)	Hours of Operation	Remarks
1	2	3	4	5
Other	CRANFIELD FIRE	121.600 MHz Non-ATS frequency.	Available when Fire vehicle attending aircraft on the ground in an emergency.	

EGTC AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of Aid CAT of ILS/MLS (For VOR/ILS/MLS, give VAR)	Ident	Frequency	Hours of Operation	Position of transmitting antenna co-ordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
DME	ICR	26X 108.900 MHz	Winter: Mon-Fri 0830-1900 Sat, Sun, PH 0900-1800 Summer: Mon-Fri 0730-1800 Sat, Sun, PH 0800-1700	520424.52N 0003702.86W	366 ft	On AD. DME freq paired with ILS I CR. Zero range is indicated at THR of Runway 21.
NDB (L)	CIT	850.000 kHz	Winter: Mon-Fri 0830-1900 Sat, Sun, PH 0900-1800 Summer: Mon-Fri 0730-1800 Sat, Sun, PH 0800-1700	520748.56N 0003324.77W		Range 15 nm.
ILS/DME I 0.75°W (2017)	ICR	108.900 MHz	Winter: Mon-Fri 0830-1900 Sat, Sun, PH 0900-1800 Summer: Mon-Fri 0730-1800 Sat, Sun, PH 0800-1700	520346.01N 0003733.78W		ILS not to be used for practice auto-coupled landings. LOC may show fluctuations due to road traffic.
ILS/DME/GP	ICR	329.300 MHz	Winter: Mon-Fri 0830-1900 Sat, Sun, PH 0900-1800 Summer: Mon-Fri 0730-1800 Sat, Sun, PH 0800-1700	520432.13N 0003639.93W		3 ILS Ref Datum Hgt 54 ft.

EGTC AD 2.20 LOCAL TRAFFIC REGULATIONS

1 Airport Regulations

- Use of this airport is subject to the published schedule of fees, charges and conditions, copies of which are available from Airport Administration.
- PPR from ATC is required for all operators, visitors, instrument training and circuit training. Slot times are allocated and must be adhered to.
- Permission to use the airport, either to land or depart, may be withdrawn without notice. Withdrawal of permission may occur due to prevailing weather conditions, if it is considered that the requirements of the airport's Safety Management System cannot be met.
- The carriage of Dangerous Goods, as specified by The Air Navigation (Dangerous Goods) Regulations 2002, is prohibited unless written approval has been issued by the Airport Director.
- All helicopters must request start up clearance.
- Use of the airport by non-radio equipped aircraft **is not** permitted.
- Use of the airport by training flights is subject to compliance with the requirements set out below.
- While airside, each aircraft commander is responsible for the safety of his passengers and other crew members. Passengers are at all times to be escorted by the aircraft commander or a crew member who is known to be competent to ensure both his/her and the passengers safety. The wearing of high visibility clothing is required.
- Aircraft commanders or crew members, as applicable, are responsible for ensuring that a total ban on smoking while airside is observed.

2 Ground Movement

- Extreme caution is necessary on paved and unpaved apron areas where surface markings may not always be available to ensure obstacle clearance from parked aircraft.

EGTC AD 2.20 LOCAL TRAFFIC REGULATIONS (continued)

- (b) Due to limited parking space, aircraft may infringe taxiway strips. ATC will advise aircraft of appropriate taxiing routes.
- (c) Operators wishing to drive vehicles on the airport will be required to provide evidence of £10m airside driving liability insurance.

3 CAT II/III Operations

Not applicable.

4 Warnings

- (a) Intensive instrument flying training in all weather conditions takes place within 10 nm radius up to the lower limit of controlled airspace.
- (b) Helicopter operations take place on the grass area to the northwest of the main runway intersection.
- (c) Due to drainage ditches, all fixed-wing aircraft entering/exiting the grass via Taxiway Alpha are to use the concrete entry/exit points.
- (d) In the event of aerodrome electrical supply failure, aerodrome ground lighting **will not** be available for up to 15 seconds.
- (e) Pilots are advised to exercise caution as this aerodrome has a deer hazard, particularly during the periods of dawn and dusk/official night, although patrols are mounted whenever the presence of deer is known or anticipated. Pilots are requested to report the location of any animals on the aerodrome to ATC.

5 Helicopter Operations

- (a) Helicopters, both arriving and departing, will be expected to use one of the two FATOs parallel to the runway-in-use, unless otherwise advised.
- (b) Helicopters may operate for quick stop/hover practice on the grass light aircraft landing area, remaining clear of the FATOs, with permission of ATC

6 Use of Runways

Not applicable

7 Training

- (a) PPR is required for all operators, visitors, instrument training and circuit training. Slot times are allocated and must be adhered to.
- (b) Issue of training/test approvals is conditional upon such flights not causing delays to other aircraft. In exceptional circumstances training/test approvals may be withdrawn without prior notice by ATC.
- (c) **Opposite Direction Runway Operations - Lack of Positive Clearance** - Training aircraft carrying out instrument approaches to Runway 21 whilst Runway 03 is in use should go around and fly directly over Runway 21/03 not below 1000 ft agl (1400 ft alt) if no positive clearance is received.

EGTC AD 2.21 NOISE ABATEMENT PROCEDURES

- (a) In order that least possible noise disturbance is caused in areas surrounding the airport, aircraft operators should ensure that at all times their aircraft conform to the noise abatement techniques laid down for that type of aircraft.

EGTC AD 2.22 FLIGHT PROCEDURES

1 Instrument Approach Procedures

- (a) Instrument Approach Procedures (IAP) for this aerodrome are established outside controlled airspace. See ENR 1.5.
- (b) Glider and other airspace activity which is not known to Cranfield ATC takes place beneath the London TMA in VMC and IMC.

2 Circuit Heights

- (a) Day - Fixed-wing 1000 ft QFE. Night - 1200 ft QFE.

Note: No dead-side available due to helicopter circuits on all runways.

3 Runway Visual Range

- (a) Minimum RVR for departing aircraft 800 m unless the Commanders take-off Minima equal to or less than reported visibility, due to secondary power switchover time.

EGTC AD 2.22 FLIGHT PROCEDURES (continued)

4 IFR Departures

- (a) IFR Departures intending to enter Controlled Airspace should flight plan to join at DTY, WCO or BPK as appropriate.

5 Visual Reference Points (VRP)

- (a) Visual Reference Points are established for use by aerodrome and en-route traffic as follows:

VRP	Co-ordinates
Olney Town	520912N 0004206W
Stewartby Brickworks	520424N 0003103W
Woburn Town	515924N 0003709W

EGTC AD 2.23 ADDITIONAL INFORMATION

Not applicable

EGTC AD 2.24 CHARTS RELATED TO AN AERODROME

Figure: AERODROME CHART - ICAO

AD 2-EGTC-2-1

Figure: INSTRUMENT APPROACH CHART RNAV (GNSS) RWY 03 (ACFT CAT A,B,C) - ICAO

AD 2-EGTC-8-1

Figure: INSTRUMENT APPROACH CHART NDB(L)/DME RWY 03 (ACFT CAT A,B,C) - ICAO

AD 2-EGTC-8-2

Figure: INSTRUMENT APPROACH CHART ILS/DME/NDB(L) RWY 21 (ACFT CAT A,B,C) - ICAO

AD 2-EGTC-8-3

Figure: INSTRUMENT APPROACH CHART LOC/DME/NDB(L) RWY 21 (ACFT CAT A,B,C) - ICAO

AD 2-EGTC-8-4

Figure: INSTRUMENT APPROACH CHART RNAV (GNSS) RWY 21 (ACFT CAT A,B,C) - ICAO

AD 2-EGTC-8-5

Figure: INSTRUMENT APPROACH CHART NDB(L)/DME RWY 21 (ACFT CAT A, B, C) - ICAO

AD 2-EGTC-8-6

Figure: INSTRUMENT APPROACH CHART VDF 208° to Aerodrome (ACFT CAT A, B) - ICAO

AD 2-EGTC-8-7

Figure: Instrument Approach Procedure Coding Tables RNAV(GNSS) RWY 03C, 03L

AD 2-EGTC-8-9

Figure: Instrument Approach Procedure Coding Tables RNAV(GNSS) RWY 21C, 21L, 21R

AD 2-EGTC-8-10