EGNO — WARTON

EGNO AD 2.1 AERODROME LOCATION INDICATOR AND NAME

EGNO — WARTON

EGNO AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	Lat: 534442N Long: 0025302W Mid point of Runway 07/25
2	Direction and distance from city	6 nm W of Preston.
3	Elevation / Reference temperature	55 ft / 18 C
4	Geoid undulation at AD ELEV PSN	171 FT
5	Magnetic Variation/ Annual Change	1.82°W (2017) / 0.16°
6	AD Administration, address, telephone, telefax, AFS, e-mail address, website address	BAE SYSTEMS. Post: BAe Systems, Warton Aerodrome, Warton, Preston, PR4 1AX. Phone: 01772-633333 (Switchboard) Phone: 01772-852374 (ATC) Phone: 01772-852303 (Civil Ops) Fax: 01772-634706
7	Type of Traffic permitted (IFR/VFR)	VFR
8	Remarks	

EGNO AD 2.3 OPERATIONAL HOURS

1	Aerodrome Operator	Winter: Mon-Fri 0730-1830. Summer: Mon-Fri 0630-1730.
2	Customs and Immigration	By arrangement
3	Health and sanitation	
4	AIS Briefing Office	
5	ATS Reporting Office (ARO)	
6	MET Briefing Office	
7	Air Traffic Service	Winter: Mon-Thur 0730-1900; Fri 0730-1700. Summer: Mon-Thur 0630-1800; Fri 0630-1600.
8	Fuelling	As AD hours.
9	Handling	
10	Security	
11	De-icing	
12	Remarks	This aerodrome is **PPR**.

EGNO AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	Strictly by prior notification with BAES Corporate Air Travel Tel: 01772-852303.
2	Fuel and oil types	AVTUR JET A-1 WITH FSII (F34 AVTUR)
3	Fuelling facilities/capacity	Bowser delivery.
4	De-icing facilities	Contact BAES Corporate Air Travel.
5	Hangar space for visiting aircraft	
6	Repair facilities for visiting aircraft	
7	Remarks	All civil aircraft handling is carried out by BAES Corporate Air Travel.

EGNO AD 2.5 PASSENGER FACILITIES

1	Hotels	
2	Restaurants	

EGNO AD 2.5 PASSENGER FACILITIES (continued)

3	Transportation	
4	Medical facilities	
5	Bank and Post Office	
6	Tourist Office	
7	Remarks	

EGNO AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	RFF Category A4
2	Rescue equipment	
3	Capability for removal of disabled aircraft	
4	Remarks	RFF Category 6 available by arrangement.

EGNO AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Type of clearing equipment	Mechanical, chemical de-icing
2	Clearance priorities	Standard.
3	Remarks	For latest information on snow clearance programme and runway state Tel: ATC 01772-852374

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

1	Apron surface and strength	NORTH APRON Surface: Concrete and asphalt. PCN 42/F/C/W/T SOUTH APRON Surface: Concrete and asphalt. PCN 48/R/C/W/T CARGO APRON Surface: Asphalt. PCN 42/F/C/W/T
2	Taxiway width, surface and strength	Taxiway ALPHA: 18 m. Surface: Asphalt. PCN 37/R/C/W/T Taxiway BRAVO: 23 m. Surface: Asphalt. PCN 42/F/C/W/T Taxiway CHARLIE: 15 m. Surface: Asphalt. PCN 28/F/C/X/T Taxiway DELTA: 23 m. Surface: Asphalt. PCN 42/F/C/W/T Taxiway ECHO: 15 m. Surface: Asphalt. PCN 28/F/C/X/T
3	Altimeter checkpoint location and elevation	
4	VOR checkpoints	
5	INS checkpoints	
6	Remarks	During RVR/Low visibility procedures movements restricted to one aircraft at a time. Narrow paved surface on the south side of Runway 25/07 (opposite Taxiway Alpha) has a yellow centre-line marking. This route is not to be used by civil aircraft. Markings are for military trials aircraft only. A row of red (flush fit) lights is located between the north civil apron and north military apron for the purpose of demonstrating the boundary between the two. The red line marked on the Miltary Apron South is to be ignored by taxiing aircraft.

EGNO 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	Stopbars at Runway Entrance Points are in operation during all Aerodrome opening hours.
4	Remarks	

EGNO 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**
(EGNO8254) 07/TAKE-OFF	Tree	534502.43N 0025136.63W	81.31 ft		No	
(EGNO8253) 07/TAKE-OFF	Tree	534501.40N 0025138.62W	75.48 ft		No	
(EGNO7290) 07/TAKE-OFF	Tree	534501.31N 0025137.82W	76.08 ft		No	
(EGNO7298) 07/TAKE-OFF	Tree	534459.85N 0025135.94W	79.92 ft		No	
(EGNO7104) 07/APPROACH 25/TAKE-OFF	Tree	534429.65N 0025421.67W	67.19 ft		No	
(EGNO6553) 07/APPROACH 25/TAKE-OFF	Tree	534425.89N 0025406.96W	46.82 ft		No	
07/APPROACH 25/TAKE-OFF	Crash Gate	534425.86N 0025406.72W	42.03 ft		No	
(EGNO8201) 07/APPROACH 25/TAKE-OFF	Tree	534424.05N 0025412.18W	48.73 ft		No	
(EGNO8238) 07/APPROACH 25/TAKE-OFF	Tree	534423.59N 0025416.59W	53.59 ft		No	
(EGNO8241) 07/APPROACH 25/TAKE-OFF	Tree	534423.42N 0025417.51W	55.86 ft		No	
(EGNO7287) 25/APPROACH 07/TAKE-OFF	Tree	534502.99N 0025136.43W	96.88 ft		No	
(EGNO7288) 25/APPROACH 07/TAKE-OFF	Tree	534502.85N 0025136.35W	91.54 ft		No	
25/APPROACH 07/TAKE-OFF	Vehicles on Road	534501.10N 0025138.83W	67.78 ft		No	
25/APPROACH 07/TAKE-OFF	Fence	534500.51N 0025144.64W	67.62 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**
	Pylon	534723.96N 0025040.13W	256.53 ft		No	
	Pylon	534604.94N 0025358.93W	217.49 ft		No	
	Pylon	534515.61N 0024555.21W	304.23 ft		No	
	Building	534456.52N 0025211.37W	82.91 ft		No	
	Fence	534454.86N 0025211.49W	64.14 ft		No	
	GP Mast	534448.80N 0025214.04W	95.34 ft		No	
	Tower	534448.66N 0025324.68W	116.40 ft		No	
	Aerial	534444.71N 0025334.30W	94.42 ft		No	

EGNO AD 2.10 AERODROME OBSTACLES (continued)

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**
	ATC Aerial	534444.30N 0025320.11W	86.25 ft		No	
	Aerial	534444.30N 0025349.94W	127.52 ft		No	
	Mast	534443.84N 0025333.24W	75.49 ft		Yes	
	Tacan Tower	534430.29N 0025306.56W	108.50 ft		Yes	
	Radar	534420.18N 0025337.31W	150.79 ft		Yes	
	Pylon	534348.07N 0024829.82W	177.92 ft		No	

EGNO 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 in BAES Corporate Air Travel Ops Room.
6	Flight documentation Language(s) used	Charts available. TAFs/METARs. English.
7	Charts and other information available for briefing or consultation	Data available in BAES Corporate Air Travel Ops room.
8	Supplementary equipment available for providing information	Copperchase PC based information system for aerodrome weather and NOTAM information.
9	ATS units provided with information	WARTON.
10	Additional information (limitation of service, etc.)	Warton provides Met observations half hourly during aerodrome operating hours.

EGNO 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**
07	071.15°	2422 x 46 m	RWY surface: Asphalt, grooved. PCN 47/F/C/W/T	534429.77N 0025401.23W 171 ft	THR 30 ft
25	251.18°	2422 x 46 m	RWY surface: Asphalt, grooved. PCN 47/F/C/W/T	534454.40N 0025159.43W 171 ft	THR 55 ft

Slope of RWY/ SWY	**SWY dimensions**	**Clearway dimensions**	**Strip Dimensions**	**OFZ**	**Remarks**
7	**8**	**9**	**10**	**11**	**12**
					RWY 07 Runway 07 landing threshold displaced by 64 m. **Over-run Areas.** Runway 07/25 threshold areas have yellow non-standard

EGNO AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS (continued)

Slope of RWY/ SWY	SWY dimensions	Clearway dimensions	Strip Dimensions	OFZ	Remarks
7	8	9	10	11	12
					paint markings demonstrating the nosewheel guidance for **trials aircraft only**. The transverse gradient of the runway strip on the north side of Runway 07/25 is 3% for the first 500 m of Runway 25.
					RWY 25 **Over-run Areas.** Runway 07/25 threshold areas have yellow non-standard paint markings demonstrating the nosewheel guidance for **trials aircraft only**. The transverse gradient of the runway strip on the north side of Runway 07/25 is 3% for the first 500 m of Runway 25.

EGNO AD 2.13 DECLARED DISTANCES

Runway designator	TORA	TODA	ASDA	LDA	Remarks
1	2	3	4	5	6
07	2422 m	2697 m	2422 m	2358 m	
25	2341 m	2491 m	2341 m	2341 m	

EGNO 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
07		HI flush Green elevated green wingbars	PAPI Both sides/3° 32 ft			HI bi-directional with LI omni-directional component 200 ft intervals. RWY Edge lights - last third are uni-directional amber.	Blue. Red wingbars. End lights marked as a starter strip		**Approach Lighting:** HI (White) centre-line Uni-directional 2 crossbars extending 911 m from THR LI (Red) omni-directional centre-line 2 crossbars extending 911 m from THR **PAPI Dist from Thr:** 229 m
25	Light intensity high.	HI flush Green elevated green wingbars	PAPI Both sides/3° 34 ft			HI bi-directional with LI omni-directional component 200 ft intervals. RWY Edge lights - last third are uni-directional amber.	Blue. Red wingbars. End lights marked as a starter strip		**Approach Lighting:** HI Modified Coded centre-line Uni-directional 5 crossbars 879 m Red T bar 450 m omni-directional RWY 25 Irregular spacing of centre-line lights between 3rd and 4th crossbar. **PAPI Dist from Thr:** 284 m

EGNO AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	IBN: 534420.89N 0025250.46W 'WQ' H24
2	LDI location and lighting Anemometer location and lighting	Anemometer: 534448.15N 0025215.48W - 534436.66N 0025345.93W
3	TWY edge and centre line lighting	
4	Secondary power supply/switch-over time	Standby diesel generator which automatically operates within 3 seconds of a mains power failure.
5	Remarks	

EGNO AD 2.16 HELICOPTER LANDING AREA

INTENTIONALLY BLANK

EGNO 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
WARTON ATZ A circle, 2.5 nm radius centred at 534442N 0025302W on longest notified runway (07/25)	Upper limit: 2000 ft Lower limit: SFC	G	WARTON APPROACH English	3000 ft	**Hours:** (a) The ATZ is hereby notified as being active H24 for the purposes of Rule 11 of the Rules of the Air Regulations 2015. An exemption has been granted by the CAA to allow the actual hours of watch of the ATC service at the aerodrome to be less than 24 hours. (b) The actual hours of watch of the ATC service at the aerodrome are variable but will not be less than: Winter 0730-1830 Mon-Fri. Summer 0630-1730 Mon-Fri. (c) Pilots wishing permission to enter Warton ATZ should in the first instance attempt to obtain that permission from Warton ATC on 129.525 MHz. If no response is obtained from Warton ATC, pilots wishing permission to enter Warton ATZ must obtain permission from Blackpool ATC Unit on 119.950 MHz. (d) When flying within the Warton ATZ upon the basis of a permission obtained from Blackpool ATC Unit a continuous watch must be maintained on the Blackpool ATC frequency of 119.950 MHz. Pilots must communicate their position and height to Blackpool ATC on that frequency when entering the ATZ and immediately prior to leaving it. (e) Blackpool ATC is itself not manned H24. Accordingly, it may be that pilots will be unable to obtain positive flight information from either Warton ATC or Blackpool

EGNO AD 2.17 AIR TRAFFIC SERVICES AIRSPACE (continued)

Designation and lateral limits	Vertical Limits	Airspace Class	ATS unit callsign/ language	Transition Altitude	Remarks
1	2	3	4	5	6
					ATC. In that event they are to assume the ATZ to be active and remain clear. (f) Model flying activity at Warton when the aerodrome is closed. (g) Lancashire Police helicopter support unit resident at Warton operating H24. A non-standard MATZ is established as detailed at ENR 2.2 para 2.4 and displayed pictorially at AD 2-EGNO-4-1. **Warning:** The northern sector of the ATZ is not wholly contained within the MATZ.

EGNO AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service Designation	Callsign	Channel(s)	Hours of Operation	Remarks
1	2	3	4	5
APP	WARTON APPROACH	129.525 MHz DOC 25 nm/4,000 ft.	Winter: Mon-Thur 0730-1900; Fri 0730-1700. Summer: Mon-Thur 0630-1800; Fri 0630-1600.	**VDF** **534422.32N 0025320.79W** On AD.
TWR	WARTON TOWER	130.800 MHz DOC 40 nm/10,000 ft.	Winter: Mon-Thur 0730-1900; Fri 0730-1700. Summer: Mon-Thur 0630-1800; Fri 0630-1600.	
RAD	WARTON RADAR	129.525 MHz Serves Runway 07/25. Provides SRA RTR 2 nm.	Winter: Mon-Thur 0730-1900; Fri 0730-1700. Summer: Mon-Thur 0630-1800; Fri 0630-1600.	**VDF** **534422.32N 0025320.79W** On AD.
	WARTON TALKDOWN	129.725 MHz DOC 25 nm/5,000 ft. Serves Runway 07/25. Provides SRA RTR 0.5 nm.	Winter: Mon-Thur 0730-1900; Fri 0730-1700. Summer: Mon-Thur 0630-1800; Fri 0630-1600.	
ATIS	WARTON TERMINAL INFORMATION	121.725 MHz DOC 2 nm/GND.	Winter: Mon-Thur 0730-1900; Fri 0730-1700. Summer: Mon-Thur 0630-1800; Fri 0630-1600.	ATIS also available via telephone 01772-856060.
Other	WARTON FIRE	121.600 MHz Non-ATS frequency.	Available when Fire vehicle attending aircraft on the ground in an emergency.	

EGNO 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
NDB	WTN	337.000 kHz	Winter: Mon-Fri 0730-1830 Summer: Mon-Fri 0630-1730	534505.93N 0025108.36W		Range 15 nm. Normally radiates H24.
DME	WQ	36X 109.900 MHz	Winter: Mon-Fri 0730-1830 Summer: Mon-Fri 0630-1730	534439.54N 0025254.38W	55 ft	On AD. Freq paired with private ILS on 109.90 MHz. Zero range is indicated at threshold of Runway 25. DOC 25 nm/10000 ft. Normally radiates H24. Subject to interruption, not to be used as an en-route navigation aid.

EGNO AD 2.20 LOCAL TRAFFIC REGULATIONS

1 Airport Regulations

(a) Except where a public transport operator has a lower State authorised take-off minima, the Aerodrome Authority cannot approve departures in RVR conditions of less than 400 m or meteorological equivalent.

(b) Visiting civil aircraft are not allowed to commence an approach to land when the reported met visibility is 600 m or less and/or the cloud base is 200 ft or less.

(c) Civil private licence circuit training is not permitted when fast jet traffic is in the visual circuit.

(d) High visibility clothing must be worn on the apron at all times.

(e) A marshaller must be present for all aircraft engine starts.

(f) Aerodrome not available to aircraft unable to communicate by radio.

(g) Maximum duration for APU running is one hour.

2 Ground Movement

Not applicable

3 CAT II/III Operations

Not applicable

4 Warnings

(a) Arrestor gear is used on Runway 07/25. The arrestor cable housing is located 395 m after the start of the full width pavement and is flush with the runway. Pilots of light aircraft are advised to touch-down after the cable housing.

(b) A soft ground arrestor bed is provided to stop aircraft in the event of an overrun on Runway 25. The bed is disposed symmetrically about the extended runway centre-line and starts 71 m beyond the end of the paved surface.

(c) Red and white marker boards are positioned 35 m to the south of Runway 07/25 for its full length, 1000 ft apart.

(d) An ATC Mobile Caravan with related telemetry and power supply housing is positioned close to the ends of Runway 07/25 only when test flying takes place.

(e) Runway 07/25 is treated as an instrument runway for safeguarding purposes. However, owing to aerodrome equipment and real estate limitations, the runway is restricted to visual status.

(f) Runway lighting checks are carried out whilst aerodrome is closed. This requires runway lighting at maximum brilliance during hours of darkness. Vehicles and personnel on runway.

(g) Hazard from EGR Detuners which emit high velocity vertical jet efflux. Overflight of these facilities is prohibited for helicopters and light aircraft at all times.

EGNO AD 2.20 LOCAL TRAFFIC REGULATIONS (continued)

(h) Large concentrations of birds are a year round hazard to aircraft due to the aerodrome location on a river estuary.

(i) The ILS glide slope aerial in respect of Runway 25 at 16 metres high infringes the 1:10 surface by 8 metres being 80 metres displaced to the south from the runway centre-line

(j) Telemetry tower 250 m north west of ARP at 93 ft.

5 Helicopter Operations

(a) Helicopter Landing Areas (H) in large parking area south side of the aerodrome and on the eastern side of the civil apron adjacent (west) of the ATC Control Tower.

6 Use of Runways

Not applicable

7 Training

Not applicable

EGNO AD 2.21 NOISE ABATEMENT PROCEDURES

(a) Westerly departures should avoid overflying the town of Lytham.

(b) Easterly departures should avoid remaining low or initiating full power climb overhead the town of Preston.

(c) Aircraft should avoid overflying the factory buildings at all times.

EGNO AD 2.22 FLIGHT PROCEDURES

1 General

(a) Visiting aircraft may be delayed due to test and experimental flying.

(b) High speed flypasts and all fast jet manoeuvres are to be made on or south of Runway 07/25 centre-line.

(c) Aircraft transitting the Warton MATZ flying at or below 3500 ft will be instructed to set the Warton QNH.

2 Circuits

(a) All circuits are to the south of Runway 07/25.

3 Instrument Approach Procedures

(a) Non-published Instrument Approach Procedures (IAP) for this aerodrome are established outside controlled airspace. See ENR 1.5.

4 Flying within 20 nm of Warton Aerodrome

(a) Pilots flying within 20 nm, outside controlled airspace, may wish to maintain a listening watch only on the Warton Radar frequency of 129.525 MHz. If they choose to do this, they should select transponder code 3660 in order to alert ATC to their presence. Pilots squawking 3660 will receive no ATC service. Aircraft displaying the code are not expected to contact ATC under normal circumstances, but remain responsible for their own navigation, separation, terrain clearance and are expected to remain clear of controlled airspace at all times. When an aircraft ceases to maintain a listening watch or is no longer flying within 20 nm of Warton Aerodrome, the pilot will deselect transponder code 3660.

5 Visual Reference Points

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

VRP	Co-ordinates	VOR/DME Fix
Garstang Marina	535419.50N 0024730.20W	WAL 024°/33.2 nm
M6 Junction 30/M61	534408.10N 0023856.10W	WAL 042°/27.0 nm
M6 Junction 32/M55	534827.40N 0024158.80W	WAL 034°/29.4 nm
Southport Pier	533919.10N 0030116.40W	WAL 017°/16.3 nm

EGNO AD 2.23 ADDITIONAL INFORMATION

Not applicable

EGNO AD 2.24 CHARTS RELATED TO AN AERODROME

Figure: AERODROME CHART

AD 2-EGNO-2-1

Figure: WARTON AERODROME TRAFFIC ZONE AND MILITARY AERODROME TRAFFIC ZONE

AD 2-EGNO-4-1

Figure: ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

AD 2-EGNO-5-1