

EGNL — BARROW/WALNEY ISLAND

EGNL AD 2.1 AERODROME LOCATION INDICATOR AND NAME

EGNL — BARROW/WALNEY ISLAND

EGNL AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	Lat: 540743N Long: 0031603W Mid point of Runway 17/35.
2	Direction and distance from city	1.5 nm NW of Barrow-in-Furness.
3	Elevation / Reference temperature	44 ft / 18 C
4	Geoid undulation at AD ELEV PSN	173 FT
5	Magnetic Variation/ Annual Change	2.03°W (2017) / 0.16°
6	AD Administration, address, telephone, telefax, AFS, e-mail address, website address	BAE SYSTEMS MARINE LTD MARITIME - SUBMARINES Post: Walney Aerodrome, Barrow-in-Furness, Cumbria LA14 1AF. Phone: 01229 471407/470087 (ATC/Flight Operations/PPR Enquiries) Fax: 01229 470619 (ATC/Flight Operations)
7	Type of Traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	

EGNL AD 2.3 OPERATIONAL HOURS

1	Aerodrome Operator	Winter: Mon-Thu 0800-1630; Fri 0800-1300. Summer: Mon-Thu 0700-1530; Fri 0700-1200.
2	Customs and Immigration	
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	Winter : Mon-Thu 0830-1600; Fri 0830-1230. Summer: Mon-Thu 0730-1500; Fri 0730-1130.
9	Handling	
10	Security	
11	De-icing	
12	Remarks	This aerodrome is strictly PPR . ATS available for approved flights only.

EGNL AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	
2	Fuel and oil types	AVTUR JET A-1 (FSII additive not included).
3	Fuelling facilities/capacity	
4	De-icing facilities	
5	Hangar space for visiting aircraft	
6	Repair facilities for visiting aircraft	
7	Remarks	No de-fuelling facilities available.

EGNL AD 2.5 PASSENGER FACILITIES

1	Hotels	
2	Restaurants	
3	Transportation	

EGNL AD 2.5 PASSENGER FACILITIES (continued)

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

EGNL AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	RFF Category A1
2	Rescue equipment	
3	Capability for removal of disabled aircraft	Rescue and Fire-fighting cover is only guaranteed for BAE SYSTEMS Submarines aircraft. Visiting aircraft must specifically request RFFS cover at the time of booking aircraft in or out.
4	Remarks	RFF Category 1 (For BAe Systems Submarines aircraft only). RFF Category 1 (Cover for visitors only by prior approval).

EGNL AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

1	Apron surface and strength	MAIN APRON Surface: Concrete.
2	Taxiway width, surface and strength	Taxiway ALPHA: 10 m. Surface: Concrete. Taxiway BRAVO: 12 m. Surface: Asphalt.
3	Altimeter checkpoint location and elevation	
4	VOR checkpoints	
5	INS checkpoints	
6	Remarks	

EGNL 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	

EGNL 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
(1483) 35/APPROACH 17/TAKE-OFF	Localizer Hut	540804.70N 0031611.71W	43 ft		No	
(1491) 35/APPROACH 17/TAKE-OFF	Localizer Array	540804.41N 0031612.60W	44 ft		Yes Red	
(1420) 17/APPROACH 35/TAKE-OFF	Fence	540721.36N 0031552.93W	50 ft		No	

EGNL 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
1297 (3C)	Pylon	541031.96N 0030955.50W	535 ft		No	
1307 (4C)	Trig Pillar	541030.01N 0031111.38W	517 ft		No	
3109 (4C)	Wind tur- bine	541014.70N 0031115.37W	541 ft		No	
1407 (4B)	Pylon	540939.95N 0031232.04W	242 ft		No	
3107 (4B)	Wind tur- bine	540916.84N 0031233.58W	285 ft		No	
1411 (3C)	Pylon	540915.15N 0030938.54W	412 ft		No	
1001 (4A)	Pylon	540840.79N 0031403.36W	163 ft		No	4A cluster
1277 (1A)	Dunes	540831.80N 0031631.93W	56 ft		No	
1005 (4A)	KC Chim- ney	540831.10N 0031358.22W	219 ft		Yes Red	See AD 2.20, 4c.
1240 (3A)	Tree	540823.16N 0031314.22W	309 ft		No	3A Cluster
1253 (3B)	Tree	540822.26N 0031125.12W	339 ft		No	With 1254
1279 (1A/1B/1C)	Dunes	540808.12N 0031631.60W	47 ft		No	1A cluster
3099 (3B)	Mast	540749.16N 0031056.80W	321 ft		No	
1463 (1A/1B/1C)	35 Glide Path Mast	540732.59N 0031602.83W	75 ft		Yes Red	
1470 (2A/2B/2C)	Power Line	540636.98N 0031556.30W	120 ft		No	2A Cluster

EGNL AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

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

EGNL 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
17	166.10°	1011 x 45 m	RWY surface: Asphalt. PCN 5/R/A/Y/T	540759.26N 0031609.47W 173 ft	THR 33 ft
35	346.11°	1011 x 45 m	RWY surface: Asphalt. PCN 5/R/A/Y/T	540727.50N 0031556.09W 173 ft	THR 44 ft

Slope of RWY/ SWY	SWY dimensions	Clearway dimensions	Strip Dimensions	OFZ	Remarks
7	8	9	10	11	12
		188 x m			RWY 17
		133 x m			RWY 35
					Runway 35 has a starter extension of 60 x 22 m.

EGNL AD 2.13 DECLARED DISTANCES

Runway designator	TORA	TODA	ASDA	LDA	Remarks
1	2	3	4	5	6
17	1011 m	1199 m	1011 m	1011 m	
35	1058 m	1191 m	1058 m	998 m	TORA, TODA and ASDA include a starter extension of 60 x 22 m.

EGNL 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
05		Elev Green uni-directional with Green wingbars	APAPI Left/3.5° 41 ft			HI Bi-directional with LI omni-directional component.	Red.		PAPI Dist from Thr: 85 m
23		Elev Green wingbars	APAPI Left/3.5° 22 ft			HI Bi-directional with LI omni-directional component.	Red.		PAPI Dist from Thr: 110 m
17		Green with Elev Green wingbars	PAPI Right/3.5° 39 ft			HI Bi-directional with LI omni-directional component.	Red.		PAPI Dist from Thr: 110 m
35	420 m Light intensity high.	Green with Elev Green wingbars	PAPI Left/3.5° 33 ft			HI Bi-directional with LI omni-directional component. Last third uni-directional amber.	Red.		Approach Lighting: Uni-directional centre-line with two crossbars PAPI Dist from Thr: 190 m

EGNL AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: BARROW/WALNEY ISLAND 540732.55N 0031542.27W Flashing White Available on request or during an Instrument Approach with the intention to break and visually circle for landing on 'in-to-wind' runway.
2	LDI location and lighting Anemometer location and lighting	Anemometer: 540729.85N 0031528.38W
3	TWY edge and centre line lighting	Taxiway: . Edge. Taxiway Alpha, from Runway 05/23 has blue edge lights until the link to the apron which is unlit but the edges marked with brightly coloured/reflective plastic marker posts. Taxiway Bravo is unlit but the edges are marked with brightly coloured/reflective plastic marker posts.
4	Secondary power supply/switch-over time	
5	Remarks	The fixed wing main apron, helipad and area to the north of the main hangar are floodlit.

EGNL AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	TLOF : 540731.24N 0031539.19W 219 ft
2	TLOF and/ or FATO elevation	TLOF : 45 ft
3	TLOF and FATO area dimensions, surface, strength, marking	TLOF :
4	True bearing of FATO	
5	Declared distance available	
6	Approach and FATO lighting	
7	Remarks	All helicopters shall be expected to land or hover over the duty runway and then ground/hover taxi to the helicopter landing area as per FISO instructions.

1	Coordinates TLOF or THR of FATO Geoid undulation	TLOF : 540735.20N 0031537.13W 212 ft
2	TLOF and/ or FATO elevation	TLOF : 39 ft
3	TLOF and FATO area dimensions, surface, strength, marking	TLOF :
4	True bearing of FATO	
5	Declared distance available	
6	Approach and FATO lighting	
7	Remarks	All helicopters shall be expected to land or hover over the duty runway and then ground/hover taxi to the helicopter landing area as per FISO instructions.

EGNL 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
BARROW WALNEY ISLAND ATZ A circle, 2 nm radius centred at 540752N 0031548W on the mid-point of the longest runway	Upper limit: 2000 ft Lower limit: SFC	G	WALNEY INFORMATION English	3000 ft	Caution: Requirements for access to R445 as detailed in the UK AIP remain extant.



EGNL AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service Designation	Callsign	Channel(s)	Hours of Operation	Remarks
1	2	3	4	5
AFIS	WALNEY INFORMATION	123.200 MHz DOC 10 nm/3000 ft.	Winter: Mon-Thu 0800-1630; Fri 0800-1300 Summer: Mon-Thu 0700-1530; Fri 0700-1200	ATZ hours: Mon-Thu 0700-1000; 1600-1900, Fri 0700-1000, 1330-1630 (Winter); Mon-Thu 0600-0900; 1500-1800, Fri 0600-0900, 1230-1530 (Summer)

EGNL 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	IWL	110.150 MHz	Winter: Mon-Thu 0800-1630; Fri 0800-1300 Summer: Mon-Thu 0700-1530; Fri 0700-1200.	540737.80N 0031552.62W	54 ft	(RWY 35) On AD DME freq paired with LLZ I WL. Zero range is indicated at threshold Runway 35. DOC 25 nm/10,000 ft.
NDB (L)	WL	385.000 kHz	Winter: Mon-Thu 0800-1630; Fri 0800-1300 Summer: Mon-Thu 0700-1530; Fri 0700-1200	540738.72N 0031552.17W		On AD Range 25 nm. Normally radiates H24.
ILS/DME 1 2.03°W (2017)	IWL	110.150 MHz	Winter: Mon-Thu 0800-1630; Fri 0800-1300 Summer: Mon-Thu 0700-1530; Fri 0700-1200.	540804.56N 0031611.70W		(RWY 35) DME instead of markers.
ILS/DME/GP	IWL	110.150 MHz	Winter: Mon-Thu 0800-1630; Fri 0800-1300 Summer: Mon-Thu 0700-1530; Fri 0700-1200.	540732.54N 0031602.85W		3.5° ILS Ref Datum Hgt 33 ft.

EGNL AD 2.20 LOCAL TRAFFIC REGULATIONS

1 Airport Regulations

- (a) Aircraft wanting to land at Walney must request permission at least 24 hours in advance.
- (b) No aircraft is permitted to land at Walney, except in an emergency, when ATS is not available.
- (c) Use of ILS/NDB/RNAV (GNSS) (including training) is strictly PPR.
- (d) Aircraft that use the ILS Glidepath element for descent must comply with a local ILS RDH requirement that the glidepath receiver antennas on the aircraft and the distance to the lowest part of a fully extended undercarriage must not exceed two metres.

2 Ground Movement

Not applicable

3 CAT II/III Operations

Not applicable

EGNL AD 2.20 LOCAL TRAFFIC REGULATIONS (continued)**4 Warnings**

- (a) Glider flying takes place when aerodrome is closed. Both winch and aero-tow.
- (b) Pilots must avoid the EG R445 Barrow-in-Furness. A circle radius 0.5 nm centred on 540635N 0031410W SFC to 2000 ft ALT.
- (c) Runway 23 Night-time approaches: Aircraft are warned not to descend below the indicated APAPI "on-slope" indication due to an obstruction-chimney (219 ft - Lit) on approach. As described in EGNL AD 2.10, Obstructions - in circling area and at aerodrome.
- (d) Windshear warning - pilots are warned that windshear can occur on final approach over Walney Channel to the threshold Runway 23, especially when the tide is out and the surface wind is down Runway 23 at a speed of 15-20 kt.

5 Helicopter Operations

Not applicable

6 Use of Runways

Runway 05/23 is an unlicensed runway.

7 Training

Not applicable

EGNL AD 2.21 NOISE ABATEMENT PROCEDURES

Not applicable

EGNL AD 2.22 FLIGHT PROCEDURES**1 Procedures for Inbound Aircraft**

- (a) Aircraft arriving from the south for a straight-in approach to the instrument approach procedures to Runway 35 should route via:

Name	Co-ordinates	Terminal Area
TUNUP	535548N 0031103W	EGNL RWY 35 IAF ILS/DME/NDB(L), LOC/DME/NDB(L) and NDB(L)/DME

EGNL AD 2.23 ADDITIONAL INFORMATION

Not applicable

EGNL AD 2.24 CHARTS RELATED TO AN AERODROME

Figure: AERODROME CHART – ICAO

AD 2-EGNL-2-1

Figure: INSTRUMENT APPROACH CHART RNAV (GNSS) RWY 17 (ACFT CAT A, B) - ICAO

AD 2-EGNL-8-1

Figure: INSTRUMENT APPROACH CHART ILS/DME/NDB(L) RWY 35 (ACFT CAT B) - ICAO

AD 2-EGNL-8-2

Figure: INSTRUMENT APPROACH CHART LOC/DME/NDB(L) RWY 35 (ACFT CAT B) - ICAO

AD 2-EGNL-8-3

Figure: INSTRUMENT APPROACH CHART RNAV (GNSS) RWY 35 (ACFT CAT A, B) - ICAO

AD 2-EGNL-8-4

Figure: INSTRUMENT APPROACH CHART NDB(L)/DME RWY 35 (ACFT CAT B) - ICAO

AD 2-EGNL-8-5

Figure: INSTRUMENT APPROACH CHART NDB(L)/DME TO AERODROME (ACFT CAT B) - ICAO

AD 2-EGNL-8-6

Figure: INSTRUMENT APPROACH PROCEDURE CODING TABLES RNAV (GNSS) RWY 17

AD 2-EGNL-8-7

Figure: SBAS FAS DATA BLOCK CODING DATA RNAV (GNSS) RWY 17

AD 2-EGNL-8-8

Figure: INSTRUMENT APPROACH PROCEDURE CODING TABLES RNAV (GNSS) RWY 35

AD 2-EGNL-8-9

Figure: SBAS FAS DATA BLOCK CODING DATA RNAV (GNSS) RWY 35

AD 2-EGNL-8-10