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London FIR Military Essential Information

Military Squawk Code table

7001	Military fixed wing low level conspicuity and climb out
7002	Danger Areas General
7003	Red Arrows transit and display
7004	Aerobatics and display
7005	High-Energy Manoeuvres
7006	Autonomous operation within a TRA and TRA (G)

Swanwick Squawk

Swanwick Military	3301-3367
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Military colour state

Aerodrome Colour State	Surface Visibility	Cloud base
Blue (BLU)	8KM	2500ft
White (WHT)	5000M	1500ft
Green (GRN)	3700M	700ft
Yellow 1 (YLO1)	2500M	500ft
Yellow 2 (YLO2)	1600M	300ft
Amber (AMB)	800M	200ft
Red (RED)	Less than 800M	Below 200ft

Transition Altitude (TA)

3000ft

Transition Level (TL)

3000ft		6000ft	
QNH	Level		
940-958	FL060	977-994	FL080
959-976	FL055	995-1013	FL075
977-994	FL050	1014-1031	FL070
995-1013	FL045	1032-1049	FL065
1014-1031	FL040		
1032-1049	FL035		
1050-1060	FL030		

Minimum Stack Level (MSL)

QNH	Level
<977	FL090
977-1012	FL080
>1012	FL070

Reference Documentation

UK MIL AIP [UK Mil AIP | Home \(mod.uk\)](http://www.mod.uk/ukmilair/aip/)

CAA - Arrivals (nm)

Following → Leading ↓	SH	H	UM	LM	S	L
SH	-	5	7	7	7	8
H	-	4	5	5	6	7
UM	-	-	3	4	4	6
LM	-	-	-	-	3	5
S	-	-	-	-	3	4
L	-	-	-	-	-	-

CAA - Departures (Mins)

Following → Leading ↓	SH	H	UM	LM	L
SH	-	2	3	3	3
H	-	4nm	2	2	2
M	-	-	-	-	2
SH	-	-	-	-	-
L	-	-	-	-	-



EGVN RAF Brize Norton

COMMUNICATIONS

Position	Callsign	Frequency
EGVN_TWR	Brize Tower	123.725
EGVN_APP	Brize Approach	127.250

VFR

Circuits: North
Normal - 1800ft QNH Light aircraft - 1300ft QNH Helicopter - 800ft QNH
QFE = QNH-10

RWY 07 25

ILS	I-BZA 108.55	I-BZB 108.55
TRACK	074	254

STACKS

Fix	Course/Direction	Minimum Alt
BZN (RWY 07)	279/Right	2800ft
BZN (RWY 25)	098/Right	2800ft

RWY MID LEVEL

7	ALPHA	1800ft QNH
	BRAVO	2800ft QNH
	NAXAT	FL080
	MALBY	FL080
25	ALPHA	1800ft QNH
	BRAVA	2800ft QNH
	NAXAT	FL080
	MALBY	FL080

LOCAL SQUAWK

RAF Brize Norton	3701-3736
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TACAN

BZN	111.9
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STARS (ALL DCT BZN)

MIMBI
SIREN
MALBY
BCN
NAXAT
HON
DTY



EGWU RAF Northolt

COMMUNICATIONS

Position	Callsign	Frequency
EGWU_TWR	Northolt Tower	120.675
EGWU_APP	Northolt Approach	126.450

VFR

Circuits: South - 1000ft QNH
QFE = QNH-5

LOCAL SQUAWK

RAF Northolt	4360-4367
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RWY 07 25

ILS	No ILS	I-NHT 108.5
TRACK	070	250

STACKS

Fix	Course/Direction	Minimum Alt
BNN (RWY 07)	309/Left	2400ft
BNN (RWY 25)	357/Left	2400ft

SID 07 25

BUZAD	3X	1Y
MATCH	1X	1Y
CPT	5X	4Y
DET	4X	4Y
NON AWY	C	R



EGXC RAF Coningsby

COMMUNICATIONS

Position	Callsign	Frequency
EGXC_GND	Coningsby Ground	121.850
EGXC_TWR	Coningsby Tower	122.100
EGXC_APP	Coningsby Approach	119.200

VFR

Circuits: 1000ft QFE - Fast Jet South, BBMF North
QFE = QNH-1

LOCAL SQUAWK

RAF Coningsby	1730-1776
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RWY 07 25

ILS	No ILS	I-CNY 111.15
TRACK	072	252

STACKS

Fix	Course/Direction	Minimum Alt
CGY	250/Right	FL050

RWY MID LEVEL

07	EAST	FL150
	NORTH	FL150
	SOUTH	FL150
25	EAST	FL150
	NORTH	FL150

TACAN

CGY	111.1
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EGOV RAF Valley

COMMUNICATIONS

Position	Callsign	Frequency
EGOV_TWR	Valley Tower	122.100
EGOV_APP	Valley Approach	125.225

VFR

Circuits: South East - 1000ft QFE
QFE = QNH-2

STACKS

Fix	Course/Direction	Minimum Alt
X-RAY (RWY 13)	135/Left	4040ft QFE

RWY	01	19	13	31
ILS	No ILS	No ILS	I-VY 108.5	No ILS
TRACK	006	186	130	310

LOCAL SQUAWK

RAF Valley	3720-3727
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TACAN

VYL	108.4
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RWY MID LEVEL

RWY	MID	LEVEL
01	EAST	FL110
	SOUTH	FL110
19	EAST	-
	SOUTH	-
13	EAST	-
	SOUTH	-
31	EAST	FL110
	SOUTH	-



EGYM RAF Marham

COMMUNICATIONS

Position	Callsign	Frequency
EGYM_TWR	Marham Tower	118.325
EGYM_APP	Marham Approach	124.150

VFR

Circuits: South
Normal - 1000ft QFE Light aircraft and helicopter - 500ft QFE Low level - 500ft QFE
QFE = QNH-3

RWY 01 19 6 24

ILS	No ILS	No ILS	No ILS	I-MR
				110.75
TRACK	009	189	055	235

STACKS

Fix	Course/Direction	Minimum Alt
MAM (RWY 24)	070/Left	FL060

RWY MID LEVEL

01	NORTH	2430ft QFE
	WEST	2430ft QFE
19	MID 19	2430ft QFE
6	MID 06	2430ft QFE
24	MID 24	2430ft QFE

LOCAL SQUAWK

RAF Marham	3640-3666
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TACAN

MAM	108.7
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EGXW RAF Waddington

COMMUNICATIONS

Position	Callsign	Frequency
EGXW_TWR	Waddington Tower	121.300
EGXW_APP	Waddington Approach	345.075

VFR

Circuits: East 1000ft QFE
QFE = QNH-8

STACKS

Fix	Course/Direction	Minimum Alt
WAD (RWY20)	048/Left	FL085

RWY	02	20
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ILS	No ILS	I-WA 110.7
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TRACK	022	204
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LOCAL SQUAWK

RAF Waddington	3601-3634
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RWY	MID	LEVEL
	NORTH EAST	FL120
02	SOUTH EAST	FL120
20	NORTH EAST	FL120

TACAN

WAD	117.1
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EGXE RAF Leeming

COMMUNICATIONS

Position	Callsign	Frequency
EGXE_TWR	Leeming Tower	120.505
EGXE_APP	Leeming Approach	133.375

RWY 16 34

ILS	I-LI 110.3	No ILS
TRACK	156	336

RWY MID LEVEL

16	EAST	FL65
	EAST	FL65
34	NORTH	FL65

VFR

Circuits: East

Normal - 1000ft QFE
Light aircraft - 800ft QFE
Low level - 500ft QFE

QFE = QNH-5

STACKS

Fix	Course/Direction	Minimum Alt
LEE (RWY's 16)	078/Right	FL050

LOCAL SQUAWK

RAF Leeming	0402-0437
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TACAN

LEE	112.6
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EGQS RAF Lossiemouth

COMMUNICATIONS

Position	Callsign	Frequency
EGQS_TWR	Lossie Tower	118.900
EGQS_APP	Lossie Approach	123.300

VFR

Circuits: 10,28 South, 05,23 LH 1000ft QFE
QFE = QNH-2

STACKS

Fix	Course/Direction	Minimum Alt
LSM (RWY 23)	226/Right	3000ft QFE

LOCAL SQUAWK

RAF Lossiemouth	4360-4367
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TACAN

LSM	111.3
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RWY 10 28 05 23

ILS	No ILS	No ILS	No ILS	I-LOS 111.55
TRACK	096	276	044	226

RWY MID LEVEL

10	ALPHA	3800ft QFE
	NORTH	3100ft QFE
28	MID 28	3100ft QFE
	ALPHA	1700ft QFE
05	WEST	3800ft QFE
	NORTH	3100ft QFE
23	SOUTH	3800ft QFE



EGDY RNAS Yeovilton

COMMUNICATIONS

Position	Callsign	Frequency
EGDY_GND	Yeovil Ground	122.100
EGDY_TWR	Yeovil Tower	120.800
EGDY_APP	Yeovil Approach/Radar	127.350

VFR

Circuits: South
Normal - 1000ft QFE Helicopter - 500ft QFE
QFE = QNH-3

RWY 04 22 08 26

ILS	No ILS	No ILS	No ILS	I-YEO 111.3
TRACK	037	217	083	263

STACKS

Fix	Course/Direction	Minimum Alt
VLN (RWY 26)	138/Left	3000ft QFE

RWY MID LEVEL

04	MID 04	3000ft QFE
22	MID 22	3000ft QFE
08	MID 08	3000ft QFE
26	MID 26	3000ft QFE

LOCAL SQUAWK

RNAS Yeovilton	4320-4327
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TACAN

VLN	111.0
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EGDM MOD Boscombe Down

COMMUNICATIONS

Position	Callsign	Frequency
EGDM_TWR	Boscombe Tower	130.750
EGDM_APP	Boscombe Approach	130.000

RWY 05 23

ILS	No ILS	I-BOD 109.1
TRACK	050	230

VFR

Circuits: North

Fixed wing - 1200ft QFE
 Light aircraft - 800ft QFE
 Helicopters - 500ft QFE

QFE = QNH-14

STACKS

Fix	Course/Direction	Minimum Alt
BDN (RWY 23)	070/Left	FL040

LOCAL SQUAWK

MOD Boscombe Down	2601-2645
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TACAN

BDN	108.2
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Shannon FIR Military Essential Information

Squawk Code table

0201-0257	Domestic	7440-7477	C/K/M/T/BI
7610-7617	EG	7011-7017	Other
5271-5277	EGJ	0270-0277	EH/EB/EL/EG/ED
7260-7267	LF/LE	0401-0437	Domestic
7601-7607	EN/ES/EF	2000	IFR
		7000	VFR

Transition Altitude (TA)

5000ft

Transition Level (TL)

QNH	Level
<977	FL075
977-994	FL070
995-1012	FL065
>1013	FL060

RECAT EU - Arrivals and Departures (NM)

Following → Leading ↓	SH	H	M	L
SH	-	6	7	8
H	-	4	5	6
M	-	-	-	5
L	-	-	-	-

Minimum Stack Level (MSL)

QNH	Level
<977	FL090
977-1012	FL080
>1012	FL070



EIME Baldonnell/Casement

COMMUNICATIONS

Position	Callsign	Frequency
EIME_GND	Baldonnell Ground	123.100
EIME_TWR	Baldonnell Tower	123.500
EIME_APP	Baldonnell Approach	122.000

VFR

Circuits: South
Fixed wing - 1300ft QNH Helicopter - 800ft QNH
QFE = QNH-11

RWY 04 22 10 28

ILS	No ILS	No ILS	IB 109.35	No ILS
TRACK	044	224	105	285

STACKS

Fix	Course/Direction	Minimum Alt
SORIN	345/Left	5000ft
KERAV	208/Right	5000ft
DONEB	098/Right	3000ft

RWY MID LEVEL

04	ALPHA	5000ft QNH
	DELTA	5000ft QNH
22	ALPHA	5000ft QNH
	BRAVO	-
10	DELTA	5000ft QNH
	ALPHA	5000ft QNH
28	DELTA	5000ft QNH
	ALPHA	5000ft QNH

FIX

22/28

BAGSO	1K
BAMLI	1K
BOYNE	1K
BUNED	1S
LIPGO	1S
NIMAT	1K
OLAPO	1K
OSGAR	1S
SUTEX	1S
VATRY	1S