



Beginners guide to the AIS

AERONAUTICAL INFORMATION SERVICE



How do you get there?



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Q nats ais	

	ATS AERONAUT	ICAL INFORMATION SERVICE	www.ais.org.uk 🔻
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lews		You are here > Home	NATS AIS
9/11/2020	AIP Supps and AICs	Welcome	
5/11/2020	updated UK AIP updated	Links to individual AIP files have been replaced with the eAIP package which can be accessed and downloaded from within the eAIP package.	
5/11/2020	NOTIFICATION OF GNSS JAMMING TRIALS	<u>eAIPPackage</u>	
2/11/2020	TEMPORARY DANGER AREAS	AICs and Supplements not included in the eAIP Package can be accessed and downloaded from the web page below. Latest AIC/SUP	
81/03/2020	COVID-19 HARMONISED NOTAM	This web site provides FREE access to the following AIS products:	
9/04/2017	Expression of time in AIS products	 UK Aeronautical Information Publication (AIP) Static information, updated every 28 days, containing information of lasting (permanent) character essential to air navigation. 	
9/09/2016	Airspace Security Warnings by the DfT	UK AIP Supplements (SUPs) Temporary changes to the AIP, usually of long duration, containing comprehensive text and/or graphics.	
/FR News		■ Aeronautical Information Circulars (AICs) Notices relating to safety, navigation, technical, administrative or legal matters.	
9/11/2020	Changes to the VFR charts	NOTAM Notices concerning the condition or change to any facility, service or procedure notified within the AIP. NOTAM are available in the form of Pre-Flight Information Bulletins (PIB) using a live database. (Registration is Free)	

It's a free service, but you will need a login to utilise some of the features such as the NOTAMs

NOTAM VFR CHAR	RTS Contacts Help Links		
	Login		
	User Name (case sensitive)	Password (case sensitive)	
	yorkshirehelicopters *	Flyyorkshire1 *	
	I have read and understood the <u>Terms and Conditions</u> and	I wish to continue	
	Remember my login details _ **	Login	1
	* All fields marked with an asterisk must be completed		
		rowser so that you can use this feature. A cookie will be stored on your com	puter

If you don't have login details yet you can use the ones in the fields above.

What is the AIS?

NATS provides the Aeronautical Information Service as a specified service under the Air Traffic Services Licence granted to NATS by the Minister of State for Transport.

NATS offers free access to a range of on-line services to airlines, pilots and all those involved in flight planning and navigation in the UK and beyond.

•UK Aeronautical Information Publication (AIP). This is static information, updated every 28 days, which contains information of lasting (permanent) character essential to air navigation.

•UK AIP Supplements (SUPs). These are temporary changes to the AIP, which are usually of long duration and contain comprehensive text and/or graphics.

Aeronautical Information Circulars (AICs). These notices relate to safety, navigation, technical, administrative or legal matters.
 NOTAM. These notices concern the condition or change to any facility, service or procedure notified within the AIP. NOTAM are available in the form of Pre-Flight Information Bulletins (PIB) using a live database.

•VFR Chart Newsletter & Update Service. This is a full list of amendments to current charts, email/RSS notification service and other information relating to VFR charting.

•UK Foreign IAIP Library. This is a library of foreign aeronautical information for flight planning purposes.

For up-to-date information on specific NOTAM, including Restricted Areas (Temporary), Airspace Upgrades and Emergency Restrictions of Flying, you can call the AIS Information Line on 08085 354802.



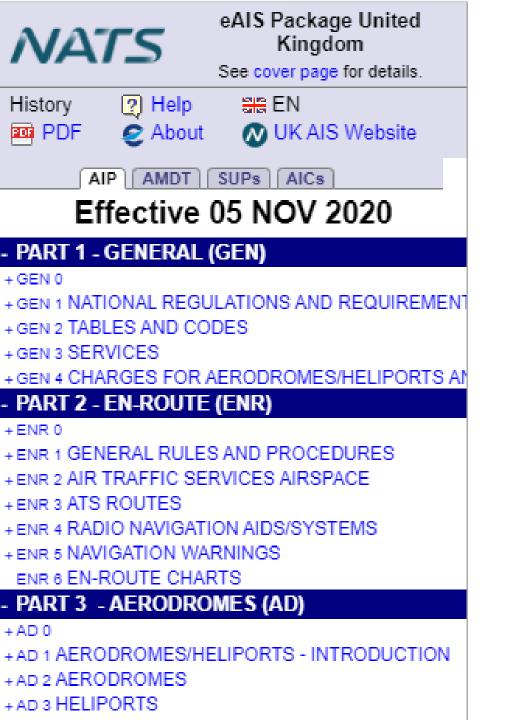
The AIP. The UK Integrated Aeronautical Information Package (IAIP)

Users of this website shall not bookmark any of the links below as they are updated and become obsolete every 28 days.

AIRAC 12/2020

AIRAC AMENDMENT AIRAC 12 2020 - Effective	AIRAC
AIRAC AMENDMENT AIRAC 13 2020 - Effective in 28 Days	AIRAC+28
AIP Amendment - Effective in 56 Days	AIRAC+56
Area 1 Obstacles File	ENR 5-4
UK ADQ Non-Compliance Report	GEN 1-7 UK ADQ Non- Compliance
VRP List	D VRP List
VFR Obstacles List	VFR Obstacles List

Current eAIP		
AIRAC 12/2020	electronic AIP	ealP



The AIP is divided into 3 parts:

GEN ENR AD



GEN Section

It may come as no surprise that the GEN section covers very general information GEN 1 – National Regulations and Requirements (including rules for travelling to/from the UK) GEN 2 – Tables and Codes (including chart symbology as shown in the example below) GEN 3 – Services (including meteorological services available) GEN 4 – Charges for Aerodromes/Heliports

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	ngdom
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🏧 PDF 🛛 🥑 About 🛛 🐼 Uk	AIS Website
AIP AMDT SUPs A	ICs
Effective 05 NOV	/ 2020
PART 1 - GENERAL (GEN)	
+ GEN 0	
- GEN 1 NATIONAL REGULATIONS	AND REQUIREM
GEN 1.1 DESIGNATED AUTHOR	RITIES
GEN 1.2 ENTRY, TRANSIT AND	DEPARTURE OF
GEN 1.3 ENTRY, TRANSIT AND	DEPARTURE OF
GEN 1.4 ENTRY, TRANSIT AND	DEPARTURE OF
GEN 1.5 AIRCRAFT INSTRUME	
GEN 1.6 SUMMARY OF NATION	NAL REGULATION
GEN 1.7 DIFFERENCES FROM	ICAO STANDARI
- GEN 2 TABLES AND CODES	
GEN 2.1 MEASURING SYSTEM	AIRCRAFT MAR
GEN 2.2 ABBREVIATIONS USE	
GEN 2.3 CHART SYMBOLS	DINALIONAUT
GEN 2.4 LOCATION INDICATOR	
GEN 2.5 LIST OF RADIO NAVIG	
GEN 2.6 CONVERSION OF UNI	TS OF MEASURE
GEN 2.7 SUNRISE/SUNSET	
+ GEN 3 SERVICES	

GEN 2.3 CHART SYMBOLS

AERONAUTICAL CHART SYMBOLOGY

AERODROME - Civil	Ò
AERODROME - Civil, limited or no facilities	_
HELIPORT - Civil	θ
AERODROME - Government, available for Civil use	
AERODROME - Government	0
HELIPORT - Government	•
MICROLIGHT FLYING SITES	0
DISUSED or ABANDONED Aerodrome	
AERODROME - Training Aerodrome: flight training, including circuit training, takes place from this aerodrome. See UK AIP ENR 1	<u>)</u>
AERODROME - Unusual Activity: Unusual aerial activities	_

L10 A FL45+ CONTROLLED AIRSPACE Annotation of vertical limits for controlled airspace which have an upper limit of FL195 are shown with a plus (+) after their base level altitude, eg 3000'-FL195 is shown as 3000'+. CTA C 2500'-FL185 С Where the upper limit is below FL195 both base and upper limits are shown. Airspace vertical limits are defined by CTA D 2500'-3500' altitude/flight level unless otherwise TMA E 2000'-6000' noted. Wide tint banding denotes the E extremity of controlled airspace and narrow tint banding denotes level changes within area All airspace not covered by classes A-E..... 750'-2500' Low Level Corridor or Special Route Radar Advisory Service Zone or Area

ENR Section

The ENR (En-route) Section contains information that largely concerns airspace, routes, and air traffic

ENR 1 – General Rules and Procedures (including the Visual Flight Rules)

ENR 2 – Air Traffic Services Airspace (shows airspace and its vertical dimensions, coordinates and frequencies)

- ENR 3 ATS Routes (mostly not applicable to light helicopters other than 'helicopter routes')
- ENR 4 Radio Navigation Aids/Systems (a list of nav aids)
- ENR 5 Navigation Warnings (including details of restricted, prohibited and danger areas as seen in the below example)

ENR 6 – En-route Charts (a list of charts)

NATS eAIS Package United Kingdom See cover page for details. History ? Help 해당 EN	A circle, 1 NM radius, centred at 532934N 0021450W	Lower limit: SFC	Flight permitted by any helicopter operated by or on behalf of a police force for any area of the United Kingdom. Contact: CAA Airspace Regulation Operations, Tel: 01293-983880.
PDF About UK AIS Website AIP AMDT SUPS AICS Effective 05 NOV 2020 - PART 1 - GENERAL (GEN)	EG R321 WAKEFIELD A circle, 1.3 NM radius, centred at 534057N 0013034W	Upper limit: 1600 FT ALT Lower limit: SFC	The Restricted Area applies only to helicopters. Flight permitted by any helicopter operated by or on behalf of a police force for any area of the United Kingdom. Contact: CAA Airspace Regulation Operations, Tel: 01293-983880.
+ GEN 0 + GEN 1 NATIONAL REGULATIONS AND REQUIREMI + GEN 2 TABLES AND CODES + GEN 3 SERVICES + GEN 4 CHARGES FOR AERODROMES/HELIPORTS - PART 2 - EN-ROUTE (ENR) + ENR 0 + ENR 1 GENERAL RULES AND PROCEDURES + ENR 2 AIR TRAFFIC SERVICES AIRSPACE + ENR 3 ATS ROUTES	EG R322 WYLFA A circle, 2 NM radius, centred at 532458N 0042852W	Upper limit: 2100 FT ALT Lower limit: SFC	 Flight permitted at a height of not less than 2000 FT above ground level whilst operating under and in accordance with a clearance from the air traffic control unit at RAF Valley. Flight permitted for the purpose of landing at or taking off from the helicopter landing area at Wylfa, with the permission of the person in charge of the installation and in accordance with any conditions to which that permission is subject. SI 1003/2016. Contact: CAA Airspace Regulation Operations, Tel: 01293-983880.
+ ENR 4 RADIO NAVIGATION AIDS/SYSTEMS - ENR 5 NAVIGATION WARNINGS ENR 5.1 PROHIBITED, RESTRICTED AND DANG ENR 5.2 MILITARY EXERCISE AND TRAINING AI ENR 5.3 OTHER ACTIVITIES OF A DANGEROUS ENR 5.4 AIR NAVIGATION OBSTACLES ENR 5.5 AERIAL SPORTING AND RECREATION/	EG R413 SELLAFIELD A circle, 2 NM radius, centred at 542505N 0032944W	Upper limit: 2000 FT ALT Lower limit: SFC	Flight permitted for the purpose of landing at or taking off from the helicopter landing area at Sellafield, with the permission of the person in charge of the installation and in accordance with any conditions to which that permission is subject. SI 1003/2016. Contact: CAA Airspace Regulation Operations, Tel: 01293-983880.
ENR 5.6 BIRD MIGRATION AND AREAS WITH SE	EG R431 MAGHABERRY	Upper limit: 2000 FT ALT	The Restricted Area applies only to helicopters.

AD Section

eAIS Package United

The AD (aerodrome) section gives details of airfields and heliports AD 1 – Aerodromes/Heliports - Introduction

AD 2 – Aerodromes (everything you need to know about specific airfields)

AD 3 - Heliports (everything you need to know about specific heliports)

Example below shows some of the details about Leeds East Airfield

7 TRAINING

- a. Use of the aerodrome for training is subject to agreement.
- b. The number of aircraft in the visual circuit will be determined by ATC, subject to the prevailing weather conditions and other commercial or corporate traffic.
- c. Booking procedures for all circuit training flights may be introduced by ATC during busy periods.

EGCM AD 2.21 NOISE ABATEMENT PROCEDURES

1 GENERAL

- a. Every operator of aircraft using the airport shall ensure at all times that aircraft are operated in a manner calculated to cause the least disturbance practicable in the area surrounding the airport.
- b. Only those aircraft meeting ICAO Chapter 3 criteria or better will be accepted. Contact Flight Operations on +44(0)1937-534197.
- c. Pilots are requested to avoid the use of reverse thrust or reverse pitch above idle power settings on landing, consistent with the safe operation of the aircraft.
- d. Due to the close proximity of residential areas, ground running of engines or Auxiliary Power Units (APU) shall be kept to a minimum consistent with operational requirements. At no time shall APUs be run for more than 30 minutes without Aerodrome Operator consent.

EGCM AD 2.22 FLIGHT PROCEDURES

1 CIRCUIT PROCEDURES

- a. Aircraft taking off, 'going around' or making 'touch and go' landings may be subject to noise procedures as instructed by ATC.
- b. Circuit direction: Runway 24 and 34 right hand; Runways 06 and 16 left hand.
- c. Fixed wing circuit height 1000 FT QNH.
- Helicopters circuit height 700 FT QNH.

NATS Kingdom See cover page for details. EN EN ? Help History PDF 🖉 About W UK AIS Website AIP AMDT SUPs AICs + EGKH LASHENDEN/HEADCORN + EGHF LEE-ON-SOLENT + EGNM LEEDS BRADFORD EGCM LEEDS EAST AD 2.1 EGCM AERODROME LOCATION INDICAT AD 2.2 EGCM AERODROME GEOGRAPHICAL AI AD 2.3 EGCM OPERATIONAL HOURS AD 2.4 EGCM HANDLING SERVICES AND FACIL AD 2.5 EGCM PASSENGER FACILITIES AD 2.6 EGCM RESCUE AND FIRE FIGHTING SE AD 2.7 EGCM SEASONAL AVAILABILITY - CLEAF AD 2.8 EGCM APRONS, TAXIWAYS AND CHECK AD 2.9 EGCM SURFACE MOVEMENT GUIDANCI AD 2.10 EGCM AERODROME OBSTACLES AD 2.11 EGCM METEOROLOGICAL INFORMATIO AD 2.12 EGCM RUNWAY PHYSICAL CHARACTE AD 2.13 EGCM DECLARED DISTANCES AD 2.14 EGCM APPROACH AND RUNWAY LIGH AD 2.15 EGCM OTHER LIGHTING, SECONDARY AD 2.16 EGCM HELICOPTER LANDING AREA AD 2.17 EGCM AIR TRAFFIC SERVICES AIRSPA AD 2.18 EGCM AIR TRAFFIC SERVICES COMMU

AD 2.19 EGCM RADIO NAVIGATION AND LANDI

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AIP Supplements



UK Aeronautical Information Publication (AIP). This is static information, updated every 28 days, which contains information of lasting (permanent) character essential to air navigation.

Home IAIP NOTAM VFR CHARTS Contacts Help UAS Restriction Zones Links					
IAIP)	You are here > <u>Home</u> > <u>IAIP</u> > <u>Supplements</u>			
Enroute Information - ENR Index	>	UK Supplement Index			
Aeronautical Information Circulars	> /	AIP SUPs will normally contain items of a temporary nature only. To be included in an AIP SUP, changes must be of operational significance and contain comprehensive text and/or graphics (eg: major air exercises or aerodrome work) that preclude 'complete' promulgation by NOTAM.			
Supplements	> '				
Aerodrome Obstacle Charts - Type A Operating Limitations	> /	AIP SUPs are issued every 28 days. A Check List and index of current AIP SUPs is included with each issue.			
Precision Approach Terrain Charts	·	An AIP SUP is to be kept in the AIP as long as all or some of its contents remain valid. The period of validity of the information contained in the AIP SUP will normally be given in the SUP itself. Alternatively, NOTAM may be used to indicate changes to the period of validity or cancellation of an AIP SUP.			
Submitting a UK AIP Change Request					
Standard Route Document (SRD)	> ^L	List of UK Supplements			
What's New	>				
		UNITED KINGDOM SUPPLEMENTS ISSUED ON 19 NOVEMBER 2020	CHECK LIST		
		ABERDEEN INTERNATIONAL AIRPORT - CRANE OPERATIONS IN THE VICINITY OF THE AIRPORT	S 046/2020		
		LONDON LUTON AIRPORT - CRANE OPERATING IN THE VICINITY OF THE AIRPORT	S 045/2020		
		EDINBURGH AIRPORT – TAXIWAY AND STAND CLOSURES WINTER 2020/21	S 043/2020		
		EDINBURGH AIRPORT – CRANES OPERATING IN THE VICINITY OF THE AIRPORT	S 042/2020		
		ILS REPLACEMENT INVERNESS AIRPORT 21 OCTOBER - END OF JANUARY 2021 ESTIMATED	S 041/2020		

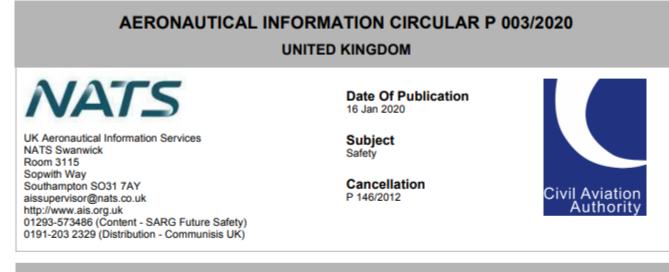
AICs – Aeronautical Information Circulars

Aeronautical Information Circulars (AICs). These notices relate to safety, navigation, technical, administrative or legal matters.

NOTAM VFR CHARTS Contacts Help UAS Restriction Zones Links Home You are here > Home > IAIP > Aeronautical Information Circulars IAIP Aeronautical Information Circulars Enroute Information - ENR Index > Aeronautical Information Circulars Aeronautical Information Circulars (AIC) are notices containing information that does not gualify for the origination of a NOTAM or for inclusion in the AIP. As a general rule, AICs refer to subjects that e of an administrative rather than an operational nature. They are, however, also used to publish advanced warnings of impending operational changes and to add explanation or emphasis on Supplements maters of safety or operational significance. Aeronautical chart issues and corrections are also notified through the medium of the AIC. Aerodrome Obstacle Charts - Type A > In order to facilitate easy selection of AICs they are printed on different coloured paper according to their subject matter as described below: Operating Limitations Precision Approach Terrain Charts > Index of AICs Submitting a UK AIP Change Request > Standard Route Document (SRD) > Latest batch of AICs Cover White White (W) - Administration matters What's New > Tellow Yellow (Y) - Operational matters including ATS facilities and requirements Pink Pink (P) - Safety related topics Mauve (M) - UK Airspace Restrictions imposed in accordance with the Temporary Restriction of Flying Regulations Mauve Green (G) - Maps and Charts Green

Of particular importance are the Mauve Circulars which give details about any temporary restricted airspace.

<u>Click here to read Pink 003/2020 - a safety AIC relating to helicopter</u> precautionary landings in deteriorating weather conditions.



HELICOPTER PRECAUTIONARY LANDINGS IN DETERIORATING WEATHER CONDITIONS

1 Introduction

1.1 Helicopter flight into conditions of deteriorating weather and visibility is a threat that may be encountered at any time of the year in the UK. The dangers of operating in this degraded visual environment (DVE) are never more acute than when the conditions degrade to the point of actual Instrument Meteorological Conditions (IMC). At greatest risk are the smaller "Visual Flight Rules-only" ('VFR-only') helicopters, i.e. those not certified or equipped for flight in IMC, and especially during the en-route phase of flight. The majority of these helicopters fall into the CS-27/FAR-27 certification category which encompasses helicopters that have a maximum weight of 3175 kg (7000 lb) and with nine or fewer passenger seats and these make up the bulk of the UK general aviation fleet used by private owners, and for self-fly hire.

NOTAMs – Notice To Air Men



Aerodrome Brief

Delivers a briefing containing Aerodrome NOTAM for the selected aerodromes between the time period set. At least ONE aerodrome MUST be selected and the default time is from now until + 12 hours but may be changed by the user.

Area Brief

Delivers a briefing containing FIR and Aerodrome NOTAM for the selected Flight Information Regions between the time period set. At least ONE FIR MUST be selected and the default time is from now until + 12 hours but may be changed by the user.

Route Brief

Delivers a briefing containing NOTAM for the selected FIR and Aerodrome between the time period set. The system estimates the FIR crossed and includes the FIR NOTAM in the output. The user can also add FIR and Aerodrome to be included. The default time is from now until + 12 hours but may be changed by the user.

Narrow Route Brief

Delivers a briefing containing FIR and Aerodrome NOTAM for the selected flight plan route and between the time period set. A point of departure and destination must be provided. The brief will contain NOTAM for FIR, point of Depature, Destination and aerodrome in alternate aerodrome list. The default time is from now until + 12 hours but may be changed by the user.

Point Brief (UK FIR/UIR Only)

Delivers a briefing containing FIR NOTAM affecting a circle from an aerodrome, navaid or Lat/Long co-ordinate. The Aerodrome NOTAM will only be included if it is in additional aerodromes. The default time is from now until + 12 hours but may be changed by the user.

VFR FIR Brief - EGTT

Delivers a briefing containing all FIR and Aerodrome NOTAM for the selected FIR EGTT between the time period set from now until + 12 hours. The briefing is sorted in order of North to South.

VFR FIR Brief - EGPX

Delivers a briefing containing all FIR and Aerodrome NOTAM for the selected FIR EGPX between the time period set from now until + 12 hours. The briefing is sorted in order of North to South.

Briefing Handbook (Saved Briefings)

Provides access to previous briefing parameters for repeat briefings with same parameters. Provides access to an update to a previous briefing for up to 3 days after the original time. Note Does NOT allow for historic briefings.

NOTAMs need to be check daily covering your route or area of operation.

Q) EGTT/QMXLC/IV/M/A/000/999/5350N00112W005 B) FROM: 20/11/01 09:00 C) TO: 20/11/30 17:00 E) TWY ALPHA AND APRON CLOSED FROM HOLDING POINT ALPHA 1 TO MIDWAY BETWEEN HANGAR 2 AND HANGAR 3

Q) EGTT/QMNLT/IV/NBO/A/000/999/5350N00112W005
 B) FROM: 20/11/05 13:00
 C) TO: 20/12/23 17:00
 E) HANGAR THREE APRON PARTIALLY CLOSED DUE TO WORK IN PROGRESS

Q) EGTT/QOBCE/IV/M/AE/000/002/5350N00112W001 B) FROM: 20/11/20 09:03 C) TO: 20/11/30 17:00 E) CRANE OPR PSN 535008N 0011205W LEEDS EAST AD, MAX HGT 90FT AGL, 120FT AMSL

Q) EGTT/QFALT/IV/NBO/A/000/999/5350N00112W005
B) FROM: 20/11/28 08:00 C) TO: 20/11/29 17:00
E) AD NOT AVAILABLE TO AIRCRAFT REQUIRING THE USE OF A LICENSED AIRFIELD DUE NO A/G STAFF



Q) EGTT/QOBCE/IV/M/AE/000/002/5350N00112W001
A) EGCM B) FROM: 20/11/20 09:03 C) TO: 20/11/30 17:00
E) CRANE OPR PSN 535008N 0011205W LEEDS EAST AD, MAX HGT 90FT AGL, 120FT AMSL



- Q) The q-line is a unique identifier for the NOTAM.
- A) Gives a location if applicable (often an ICAO code for an aerodrome).
- B) From: a specific date and time.
- C) To: a specific date and time.
- E) The plain text section; a written summary of what the NOTAM concerns.
- IV Indicates that this is significant for IFR and VFR traffic
- AE Indicates scope, here Aerodrome and En- route. W means nav warning.
- 000/002 lower and upper limits expressed as a flight level.

5350N00112W001 - Indicates the geographical centre and radius of influence, always this number of digits. In this case the radius is 1 n.m.

SCENARIOS/SUGGESTIONS

CIRCUITS: Use an **aerodrome brief**. NOTAMs are only available for licensed aerodromes, so if you are using a non-licensed aerodrome, you should use a **point brief** to establish whether there are any aerial activities taking place in the vicinity.

LOCAL AREA: Use a **Point brief**. The point brief allows you to define a radius up to 99NM around a specific point.

FLYING A to B: Use the narrow route brief; generally the same rules for submitting a flight plan apply.

IFR & VFR BRIEFINGS FOR NOTICE BOARDS: If you require a full IFR &/or VFR briefing for all en-route NOTAMs in the FIR then use a route brief.

VFR BRIEFINGS FOR NOTICE BOARDS: If you wish to obtain a VFR bulletin then use the **VFR briefs**. These have fixed parameters. Two provide en-route NOTAMs, for the London (EGTT) FIR and Scottish (EGPX) FIR, two provide Aerodrome briefs for the same regions.

AVDIDING AIR DISPLAYS - RED ARROWS

Air displays take place at many venues in the UK, not just at aerodromes. Within the bulletin, such activities are identified by the words **restricted area – temporary RA(T)**. It is often the case that more than one **RA(T)** will exist during the day. Mauve AICs are also issued to notify the event when such activities are taking place and can also be accessed via the IAIP page by selecting the Circulars (AIC), many of which contain a map of the RA(T).

The AIS Information Line **08085 354802** also provides up-to-date information on **restricted areas -temporary, airspace upgrades** and **emergency restrictions of flying**.



THE AIS LINE - 08085 354802