

**ENR 3.4 ATTENTE EN-ROUTE***EN-ROUTE HOLDING***PREAMBULE  
FOREWORD****GENERALITES**

Pour pallier des difficultés subites et imprévisibles d'écoulement du trafic, il peut être demandé à un aéronef d'effectuer une attente sur l'un des circuits définis dans les pages ci-après.

**UTILISATION**

Ces circuits sont utilisables uniquement sur instruction UAC et sous surveillance radar. Sauf indications contraires dans les descriptions, celles ci sont utilisables dans les conditions suivantes :

- au dessus du FL 195 ;
- angle d'inclinaison minimal en virage de 25°;
- nombre de Mach maximum en attente M 0,8 pour les niveaux compris entre FL 195 et FL 340, et M 0,83 pour les niveaux supérieurs à FL 340, ce nombre de Mach maximum doit être respecté dès le premier passage sur le repère de base de l'attente ;
- la branche déloignement est de 1 mn 30 s pour les circuits en hippodrome.

**CARACTERISTIQUES**

Les circuits d'attente sont de deux types :

- circuits en hippodrome - VOR, VOR/DME ou RNAV ;
- circuits par virages continus de 360°.

Certaines attentes disposent en plus de procédures dites de temporisation.

**GENERAL**

To cope with sudden and unexpected difficulties of traffic flow, an aircraft may be required to remain on hold in one of the patterns described in the pages below.

**USE**

These patterns may only be used on UAC instructions and under radar supervision. Unless otherwise specified in the descriptive documents, they can be used under the following conditions:

- above FL 195;
- minimum bank angle: 25°;
- maximum Mach number when on hold M 0.8 for levels between FL 195 and FL 340, and M 0.83 for levels greater than FL 340, the maximum Mach number must be respected as soon as the ACFT first passes over the basic holding pattern fix;
- the outbound track is 1 min 30 s for racetrack holding pattern.

**CHARACTERISTICS**

Holding patterns are of two types:

- racetrack holding pattern - VOR, VOR/DME or RNAV;
- continuous 360° turns.

So called timing procedures are applied to certain holding patterns.

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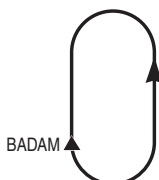
# CIRCUITS D'ATTENTE EN UIR FRANCE

*Holding patterns within FRANCE UIR*

UAC BORDEAUX

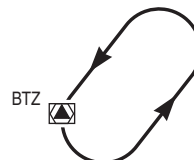
## ATTENTE BADAM / HOLDING

44 05 11 N - 003 10 14 E  
RAP 179° - GAUCHE / LEFT



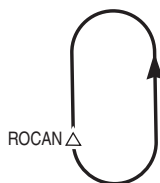
## ATTENTE BIARRITZ / HOLDING

VOR - DME BTZ  
RAP 220° - GAUCHE / LEFT



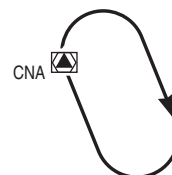
## ATTENTE ROCAN / HOLDING

42 40 24 N - 001 56 48 E  
RAP 179° - GAUCHE / LEFT



## ATTENTE COGNAC / HOLDING

VOR/DME CNA  
RAP 338° - DROITE / RIGHT



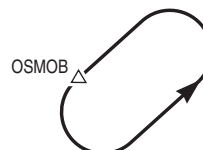
## ATTENTE DIGPO / HOLDING

43 30 55 N - 000 18 02 E  
RAP 228° - DROITE / RIGHT



## ATTENTE OSMOB / HOLDING

44 38 57 N - 000 20 17 W  
RAP 219° - GAUCHE / LEFT



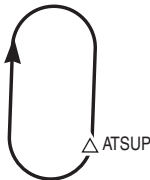
CIRCUITS D'ATTENTE EN UIR FRANCE

Holding patterns within FRANCE UIR

UAC BORDEAUX

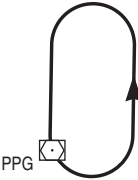
ATTENTE ATSUP / Holding

45 44 34 N - 002 57 10 E  
RAP 180° - DROITE / RIGHT



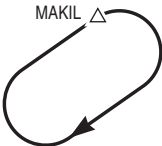
ATTENTE PERPIGNAN / Holding

VOR DME PPG  
RAP 179° - GAUCHE / LEFT



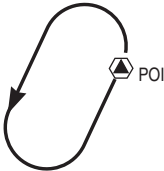
ATTENTE MAKIL / Holding

44 12 35 N - 002 20 23 E  
RAP 058° - DROITE / RIGHT



ATTENTE POITIERS / Holding

VOR POI  
RAP 026° - GAUCHE / LEFT



ATTENTE EVPOK / Holding

45 28 27 N - 001 22 34 E  
RAP 168° - GAUCHE / LEFT

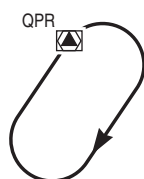


**CIRCUITS D'ATTENTE EN UIR FRANCE**  
*Holding patterns within FRANCE UIR*

UAC BREST

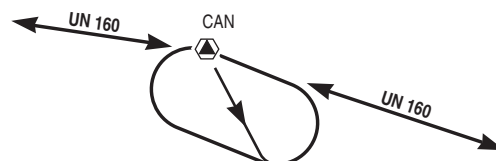
**ATTENTE QUIMPER / Holding**

VOR DME QPR  
RAP 038° - DROITE / RIGHT



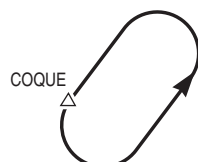
**ATTENTE CAEN / Holding**

VOR CAN  
RAP 292° - GAUCHE / LEFT



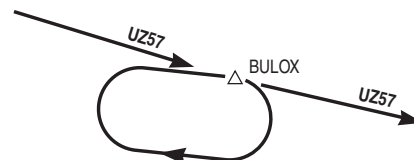
**ATTENTE COQUE / Holding**

47 04 45 N - 004 59 26 W  
VOR DME - QPR  
RDL 217° - 62/49 NM  
RAP 217° - GAUCHE / LEFT



**ATTENTE BULOX / Holding**

48 33 00 N - 000 46 00 W  
RAP 096° - DROITE / RIGHT  
FL 200 à / to FL 460 inclus / included.

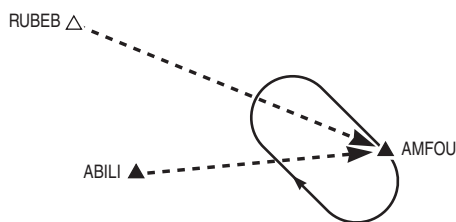


**CIRCUITS D'ATTENTE EN UIR FRANCE**  
*Holding patterns within FRANCE UIR*

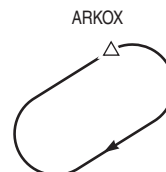
## UAC MARSEILLE

**ATTENTE AMFOU / Holding**

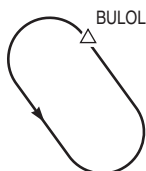
43 35 45 N - 006 06 04 E  
VOR DME - STP  
R 315 - 31/40 NM  
RAP 135° - DROITE / RIGHT  
IAS 240 kt  
FL 200 à / to FL 230 inclus / included  
FL inférieurs utilisables sur autorisation ATC  
Lower FL usable only on ATC instruction

**ATTENTE ARKOX / Holding**

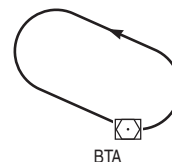
45 26 24 N - 005 18 27 E  
RAP 063° - DROITE / RIGHT  
FL 200 à / to FL 340 inclus / included

**ATTENTE BULOL / Holding**

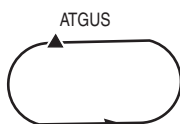
46 02 45 N - 005 05 31 E  
RAP 329° - GAUCHE / LEFT  
FL 200 à / to FL 340 inclus / included

**ATTENTE BTA / Holding**

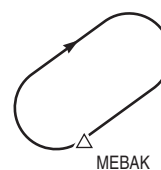
VOR DME - BTA  
42 34 25 N - 009 28 29 E  
RAP 118° - GAUCHE / LEFT  
FL 200 à / to FL 340 inclus / included

**ATTENTE ATGUS / Holding**

40 55 02 N - 006 38 58 E  
RAP 273° - GAUCHE / LEFT  
FL 200 à / to FL 340 inclus / included  
Utilisable par ACFT en provenance du nord ou de l'Italie  
Usable by ACFT from the north or Italy

**ATTENTE MEBAK / Holding**

45 42 29 N - 004 38 56 E  
RAP 236° - DROITE / RIGHT  
FL 200 à / to FL 340 inclus / included

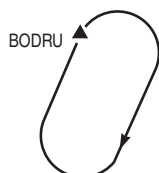


**CIRCUITS D'ATTENTE EN UIR FRANCE**  
*Holding patterns within FRANCE UIR*

UAC MARSEILLE

**ATTENTE BODRU / Holding**

44 12 31 N - 006 22 40 E  
RAP 027° - DROITE/RIGHT  
FL 200 à/to FL 340 inclus/included



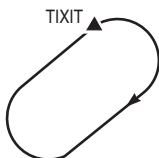
**ATTENTE KOTOP / Holding**

42 30 16 N - 004 16 05 E  
RAP 216° - GAUCHE/LEFT  
FL 200 à/to FL 340 inclus/included



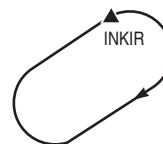
**ATTENTE TIXIT / Holding**

43 20 46 N - 006 50 30 E  
RAP 055° - DROITE/RIGHT  
FL 200 à/to FL 340 inclus/included



**ATTENTE INKIR / Holding**

40 42 39 N - 006 09 26 E  
RAP 061° - DROITE/RIGHT  
FL 200 à/to FL 340 inclus/included  
Utilisable par ACFT en provenance du  
sud ou de l'Espagne / Usable by ACFT  
from the south or Spain



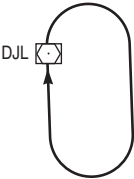
CIRCUITS D'ATTENTE EN UIR FRANCE

Holding patterns within FRANCE UIR

UAC PARIS

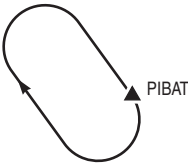
ATTENTE DIJON / Holding

VOR - DME DJL  
RAP 360° - DROITE/RIGHT  
FL 200 à/to FL 380 inclus/included



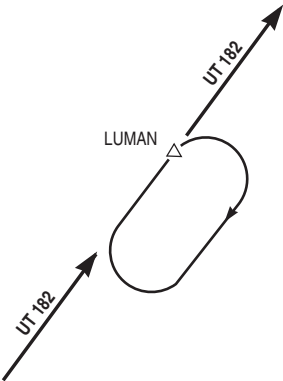
ATTENTE PIBAT / Holding

46 48 21 N - 004 15 33 E  
RAP 149° - DROITE/RIGHT



ATTENTE LUMAN / Holding

47 56 22 N - 000 24 48 E  
RAP 037° - DROITE/RIGHT  
FL 200 à/to FL 280 inclus/included  
IAS 240 kt si/if FL < 250

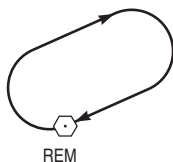


**CIRCUITS D'ATTENTE EN UIR FRANCE**  
*Holding patterns within FRANCE UIR*

UAC REIMS

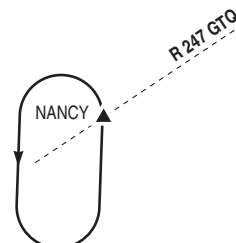
**ATTENTE REIMS / Holding**

VOR REM  
RAP 250° - DROITE/RIGHT  
FL 320 à/to 370 inclus/included



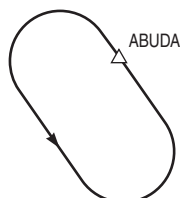
**ATTENTE NANCY / Holding**

48 49 03 N - 006 05 02 E  
INT VOR R 001 EPL et/and R 247 GTQ  
RAP 001° - GAUCHE/LEFT



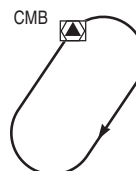
**ATTENTE ABUDA / Holding**

50 06 59 N - 001 45 27 E  
RAP 328° - GAUCHE/LEFT  
FL 200 à/to FL 370



**ATTENTE CAMBRAI\* / Holding**

VOR CMB  
RAP 035° - DROITE/RIGHT



\* FL<265 : PARIS ACC

**ATTENTE VESAN / Holding**

50 22 19 N - 002 01 35 E  
RAP 322° - DROITE/RIGHT  
FL 270 à/to FL 370



**ATTENTE RANUX / Holding**

49 08 20 N - 004 21 42 E  
RAP 077° - DROITE/RIGHT  
FL 320 à/to FL 370 inclus/included

