FL & RR SCENARIOS
Rerouting Suggestions (Hotspot)

Summer 2018 ATFCM plan:
MAC18 BRIEFING
For Airline’s Operations
Control Centers

Valid information at the date of the version 1.8:
08/07/2018 (new FL2BL2, FL5BR2, + added scenarii used in 2017 season)
DSNA SUMMER 2018 ATFCM PLAN

Expanding CAP: 10 traffic flows
Flexible RAD linked to scenario activation & New RAD measures
MCP and STAM
National coordination for best rerouting suggestions in case of HotSopt in LFEE/LFMM

MAC 2018

Amended & new MAC18 scenarii made available by NM between 26th April & 14th May 2018

Route Availability Document
Collaborative Advanced Planning
Flight Level & ReRouting SCenarios
Mandatory Cherry Picking
Short Term ATFCM Measures

Starts (postponed by NM) APRIL 26th 2018
FL & RR SCENARIOS

Access to the description of the scenarii on Eurocontrol NOP portal
https://www.public.nm.eurocontrol.int/PUBPORTAL/gateway/spec/

Rerouting Suggestions in case of Hotspot
MEASURES ON THE MAIN TRAFFIC FLOWS
MEASURES BY FLOW (SCENARIOS & REROUTING SUGGESTIONS)

Access to the description of the scenarii on Eurocontrol NOP portal
https://www.public.nm.eurocontrol.int/PUBPORTAL/gateway/spec/
MAC18 SCENARIOS & REROUTING SUGGESTIONS
FROM NORTH-EAST EUROPE
TO SOUTH-WEST EUROPE

5 accurate Rerouting suggestions to off-load LFMMRAE
(measures could be suggested in case of Hotspot at LFMMRAE):
- DEP EDDL  → ARR LEPA/LEBL
- DEP EDDK  → ARR LEPA
- DEP EDDF  → ARR LEMD
- DEP ESSA  → ARR LEMG
- DEP EN/EKYT → ARR LEBL/LEPA/LEIB

« combing » FL scenarios:
- DEP EHAM  > FL355
- DEP EHEH/EHRE > FL330
- DEP EBBR > FL310
- DEP EBCI/LFQQ > FL290

Reminder of RR Scenarios
off-loading LFEE5R:
- DEP EHEH  → ARR LEPA/LEIB
- DEP EHEH/EHRE/EHRE/ARR LFML/LFMT
- DEP EHAM  → ARR LFML/LFMT
- DEP EDDL  → ARR LEPA/LEIB
- DEP EDDL  → ARR LEPA/LEIB
- DEP EDDL  → ARR LEPA/LEIB

6 accurate Rerouting suggestions to off-load LFEE5R
(measures could be suggested in case of Hotspot at LFEE5R):
- DEP EHEH  → ARR LEPA/LEIB
- DEP EHEH/EHRE/ARR LFML/LFMT
- DEP EHAM  → ARR LFML/LFMT
- DEP EDDL  → ARR LEPA/LEIB
- DEP EDDL  → ARR LEPA/LEIB
- DEP EDDL  → ARR LEPA/LEIB

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MAC18 OCC Briefing-Scenarios Version 1.8-20180708
Direction Générale de l’Aviation Civile
Ministère de la Transition écologique et solidaire
SOUTH WEST AXIS:
FROM NORTH TO SOUTH

- **AMENDED SCENARIOS:**
  - FL1HYRZU/FL2HYRZU/FL3XHRZ/FL1XKHRZL: ... »DITAL or DEPOM or ARKIP » WPT in « level constraint/Refile» field
  - FL2XHRZU/FL2XHRZI: FL345 max & WPT in « levelconstraint /Refile» field → amendments made available by NM on 26th April 2018

- on going studied measures in case of Hotspot in LFEE/LFMM:

<table>
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<th>To off-load LFMM:</th>
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<td>DEP EDDL</td>
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« COMBING FL MEASURES »

RAD for FL1HYRZU & FL2HYRZU
FL365
until DITAL or DEPOM ARKIP

RAD for FL2KHRZU
FL345
until DITAL or DEPOM ARKIP

RAD for FL2KHRZI

RAD for : FL1XKHZL & FL3XKHRZ

until DITAL or DEPOM ARKIP
FLOW:
FROM: NORTH-EAST EUROP
TO: SOUTH-WEST EUROP

- Information about Hotspot:
  - Rerouting Suggestions
  - Airline has to find the best option for it
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFEE5R
(intended peak hours: 04-06 TU, or 09-13TU or 15-16TU)

Deps  EHEH
Dest  LEPA/LEIB
Not allowed via LFEE5R
Suggested route: GTQ UN852 MOROK

REROUTING COULD BE SUGGESTED IN CASE OF HOTSOPT IN LFEE5R:
CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFEE5R
(intended peak hours: 04-06 TU, or 09-13TU or 15-16TU)

Deps  EHRD/EHEH/ EHAM
Dest  LFMN
Not allowed via LFEE5R
Suggested route: GTQ UN852 MOROK

REROUTING COULD BE SUGGESTED IN CASE OF HOTSPOT IN LFEE5R:
CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFEE5R
(intended peak hours: 04-06 TU, or 09-13TU or 15-16TU)

Deps EHAM
Dest LFML/LFMT
Not allowed via LFEE5R
Suggested route: GTQ UN852 MOROK

REROUTING COULD BE SUGGESTED IN CASE OF HOTSPOT IN LFEE5R:
CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFEE5R
(intended peak hours: 04-06 TU, or 09-13TU or 15-16TU)

Deps EDDL
Dest LEPA/LEIB/LEBL
Not allowed via LFEE5R
Suggested route: GTQ UN852 MOROK

REROUTING COULD BE SUGGESTED IN CASE OF HOTSPOT IN LFEE5R:
CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFEE5R
(intended peak hours: 04-06 TU, or 09-13TU or 15-16TU)

Deps  EDLV
Dest  LEPA/LEIB
Not allowed via LFEE5R
Suggested route: GTQ UN852 MOROK

REROUTING COULD BE SUGGESTED IN CASE OF HOTSPOT IN LFEE5R:
CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFEE5R
(intended peak hours: 04-06 TU, or 09-13TU or 15-16TU)

Deps EDDK
Dest LEPA/LEBL
Not allowed via LFEE5R
Suggested route: GTQ UN852 MOROK

REROUTING COULD BE SUGGESTED IN CASE OF HOTSPOT IN LFEE5R: CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFMMRAE
(intended peak hours: 16-19TU)

Deps EDDL
Dest LEPA/LEBL
Not allowed via LFMMRAE
Suggested route: LNO UZ707 RESMI UN857 DIRMO UN855 PPG UP84 LORES

REROUTING COULD BE SUGGESTED IN CASE OF HOTSOPT IN LFEESR:
CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFMMRAE
(intended peak hours: 16-19TU)

**Deps**  EDDK  
**Dest**  LEPA
Not allowed via LFMMRAE
Suggested route: UZ707 RESMI UN857 DIRMO UN855 PPG UP84 LORES

REROUTING COULD BE SUGGESTED IN CASE OF HOTSPOT IN LFEE5R:
CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFMMRAE
(intended peak hours: 16-19TU)

Deps EDDF
Dest LEMD
Not allowed via LFMMRAE

Suggested route: SOBRA Y180 NISIV UY180 DIK UN857 TOLVU/N0441F350 UN857 DISAK
DCT ARKIP DCT ARNAV DCT LMG UN857 BAN

REROUTING COULD BE SUGGESTED IN CASE OF HOTSPOT IN LFEE5R :
CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFMMRAE
(intended peak hours : 16-19TU)

Deps  ESSA
Dest   LEMG
Not allowed via LFMMRAE
Suggested route:  UP174 WOODY/N0450F390 UN872 KOVIN UM728 RESMI UN857
DEPOM/N0450F380 UN857 DIRMO/N0440F370 UN10 PPN

REROUTING COULD BE SUGGESTED IN CASE OF HOTSOPT IN LFEE5R:
CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
REROUTING SUGGESTION IN CASE OF HOTSPOT IN LFMMRAE
(intended peak hours : 16-19TU)

Deps  EN/EKYT
Dest  LEPA/LEIB/LEBL
Not allowed via LFMMRAE
Suggested route: WOODY/N0432F370 UN872 KOVIN UM728 RESMI UN857 DIRMO UN855 PPG UP84 LORES

REROUTING COULD BE SUGGESTED IN CASE OF HOTSPOT IN LFE5R :
CHARGE TO THE AIRLINE TO FIND THE BEST OPTION FOR IT
FLOW: FROM NORTH-EAST EUROP
TO SOUTH-WEST EUROP

SCENARIOS (FROM MAC17)

Access to the description of the scenarii on Eurocontrol NOP portal
https://www.public.nm.eurocontrol.int/PUBPORTAL/gateway/spec/
RR2ECTA  Deps  EDDH/EDDK/EDDL/EDDV/EDDW
Dest  LEBL/LEPA/LEIB/LERS/LEGE
Not allowed via LFEECTAN
Suggested route:  NVO DCT LIMGO UN852 GTQ or
WRB UN850 NATOR or SOPOK UZ283 RITAX UT27 GTQ

RR Scenario working with RR2FCTA
RR2ECTA
Dep: EDDH/EDDW/EDDV/EDDK/EDDL
Dest: LEBL/LEPA/LEIB/LERS/LEGE
Not allowed via LFFCTA
Suggested route: GTQ UN852 MOROK or BOMBI N850 LUGUS N850 NATOR

RR Scenario working with RR2ECTA

On-load Area
EDGGNKRH
LSAZNL
LFE5EH
LFMM SECTORS

Off-load Area
LFFCTA
EBBUWH
RR3ECTA  Deps EKCH/EKBI/ESGG/ELLX
Dest LEBL/LEPA/LEIB/LERS/LEGE
Not allowed via LFEECTAN
Suggested route:
MIC/F340 UN850 KRH/F350 UN850 NATOR UN869 LUTIX/F370 UN869 NEMOS DCT GVA
DCT BALSI/F380 UN852 TUPOX/F390 UN852 VERSO UL129 LUNIK or GTQ UN852 MOROK

Off-load Area
LFEECTAN
LFRRZU LFBBP4 LFBBT4 LFBTH4 LECBVNI LECBCCCL

On-load Area
EDYYSOLX LSAGTOTAL LSAZM5 LFMMY3 LECBVI LFEECTA

RR Scenario working
with RR3FCTA
RR3FCTA  Deps  EKCH/EKBI/ESGG/ELLX
Dest  LEBL/LEPA/LEIB/LERS/LEGE
Not allowed via LFFFCTA
Suggested route:  GTQ UN852 GILIR DCT GVA DCT BALS1 UN852 PIVUS UZ237 SULID DCT DIMIB DCT POS
Or GTQ UN852 MOROK

RR Scenario working with RR3ECTA
RR5ECTA
Dep  ESKN/ESSA/EFHK/EDDM/EDDB/EDDT/EDDS/EDDF
Dest  LEBL/LEPA/LEIB/LERS/LEGE
Not allowed via LFEECTA
Suggested route: KRH/F410 UN850 NATOR/F410 UN869 NEMOS DCT GVA
or DKB/F410 UN869 NATOR/F410 UN869 NEMOS DCT GVA

RR Scenario working with RR5FCTA
RR5FCTA  Deps  ESKN/ESSA/EFHK/EDDM/EDDB/EDDT/EDDS/EDDF
Dest  LEBL/LEPA/LEIB/LERS/LEGE
Not allowed via LFFFCTA
Suggested route: NATOR UN869 EDDS departures should file: Jet A/C: ROTWE Y126 TUBLO N850
Prob A/C: SUL Y125 NATOR N850

RR Scenario working with RR5ECTA
RANKING OF FLIGHT IN LEVEL

MAC OBJECTIVE: SPREAD THE DEMAND ON ALL THE LAYERS TAKING INTO ACCOUNT AIRPORT OF ORIGIN

5 MAC17 Scenarios (full-package)
Reminder of MAC17 RR Scenarios off-loading LFBBCTA:
- DEP LEBL ARR EDDF/DT/DH/DL/DV ESSA/EKCH/ELLX/EFHK
- DEP LEPA/LEIB ARR EDDL/DH EKCH EFHK EHEH
- DEP LEBL/LEGE/LEGR ARR EDDH EF.. EK.. ES..
- DEP LEPA/LEIB ARR EDDH EF.. EK.. ES..
RR1BCTA  Deps  LEBL
Dest  EDDF/DT/DH/DL/DV ESSA/EKCH/ELLX/EFHK
Not allowed via LFBBCTA
Suggested route:
MAXIR/F380 UN853 MOLUS UN871 DITON T163 ZUE T125 ROMIR/F380 UN851 LOKTA DCT TIKNI/F390 UN746 KENIG
or  RASPA/F380 UM985 EKSID M985 NOSTA DCT NOPMU DCT TAGIP DCT BRENO UM726 NORIN DCT RUDNO/F350 UL132 AGNAV

On-load Area
LSAGUAC
LSAZM17
LIMMWC
LFMMRAE
LFMMRAWC
LEBLT3N
LEBLXAR

Off-load Area
LFFFCTA
LFBBCTA
RR2BCTA  Deps   LEPA/LEIB
Dest   EDDL/DH EKCH EFHK EHEH
Not allowed via LFBBCTA
Suggested route:  LUMAS UN853 MAXIR UN853 MOBLO
RR3BCTA  Deps  LEBL/GE/ RS  
Dest  EDDH  EK.. ES.. EF..  
Not allowed via LFBBCTA  
Suggested route:  LUMAS UN853 MAXIR UN853 MOBLO  
Or  AGENA/F380 UM985 LUMAS UM985 EKSID  
or DALIN/F360 UN870 MAXIR UN853 VANAS
RR4BCTA  
Dep  LEPA/IB  
Dest  EDDH EK.. ES.. EF..  
Not allowed via LFBBCTA  
Suggested route:  LUMAS UN853 MAXIR UN853 MOBLO  
or MEROS/F340 UN853 LAPIT/F360 UN853 KINES/F380 UN853 VANAS
2FL scenarios deleted and be replaced by 4 accurate FL Scenarios studied via LFEEHNR or LFEEKHNR (LG/LI>EGKK via LFEEKHNR refused by NM Strat)

DEP LI                   ARR EGKK DEP LG                 ARR EGKK DEP LT                  ARR EGKK

2 accurate RR Scenarios via MOLUS/BORMI Studied to Off-loading LFMMRAE: (on going, not usable for the beginning of the summer season)
DEP LIRN                  ARR London South DEP LIRF/LIRA         ARR London South

Amended scenario: accurate FL Scenario via LFEKHNRTD (on going, not usable for the beginning of the summer season)
DEP LSGG, Lyon_Group ARR EGKK/EGLL at FL345max

South-East Europe: Italy/Greece/Turkey
SOUTH-EAST EUROPEAN COUNTRIES → EG

- **AMENDED SCENARIOS:**
  - FL1HNR1: added DEP Lyon_Group, & FL345 max
  - FL2KHNIRD: added DEST EGBB/GW/LC/GD
    → amendments made available by NM on 29th April 2018

- **DELETED SCENARIOS:**
  - FL1KHNRF/FL2HNR: deleted and replaced by 4 FL scenarios more accurate on citypair/peak hours (MAC18-Measure_37 to -42)
    → amendments made available by NM on 29th April 2018

- **8 NEW SCENARIOS (on accurate citypairs and peak hours) impact DSNA, LI, LS:**
  - 4 FL scenarios MAC18-Measure_37 to -40 (from LI, LG, LT to EGKK), FL N°41/42 refused.
  - 2 RR scenarios MAC18-Measure_31-E & 31-F (from LIRN, LIRF, LIRAT to London South group)

amended and some of the new scenarii → made available by NM on 29th April 2018
**FL2RNU** (SCENARIO PUT INTO RESTRICTION RAD LF3451 FOR peak hours : 09-13TU)
not usable for the beginning of the DSNA 2018 SUMMER SEASON

**Deps** ANY
**Dest** EGGW EGKB EGKK EGLC EGLL EGMC EGSC EGSS EGTO EGWU (via LFRRG)
or EGDM EGHR or EGHH EGGI EGHL EGLF EGLK EGTD EGTF EGVA
Not allowed via LFRRNU
Refile: file below FL365 until clear of sector

**EGKB EGKK EGLC EGLL EGMC EGTO EGWU (via LFRRG) or EGDM EGHR or EGHH EGGI EGHL EGLF EGLK EGTD EGTF EGVA**
RR4MRAE (RR_MAC18_31-E) accurate scenario studied (intended peak hours: 16-19TU)

Deps LIRN

Dest London_South_Group

Not allowed via LFMMRAE

Suggested route: M603 PNZ M729 GILIO M621 BETEN M729 AOSTA/N0438F400 UM729 MOLUS UT423 CLM UM976 ABNUR UT10 ALESO UT420 BIG

new scenario → made available by NM on 14th May 2018
RR5MRAE (RR_MAC18_31-F) accurate scenario studied (intended peak hours: 16-19TU)

- **Dep**: LIRF/LIRA
- **Dest**: EG/ EI
- Not allowed via LFMMRAE
- Suggested route: SOVAN L995 IBRID DCT CERVI UM872 MOLUS UT423 CLM UM976 ABNUR

New scenario made available by NM on 09th May 2018
RR-MAC18_31-G  accurate scenario studied but cancelled (intended peak hours : 16-19TU) not usable for the beginning of the DSNA 2018 SUMMER SEASON

Deps  LICC
Dest  EGKK
Not allowed via LFMMRAE
Suggested route: only for information (PEKOD T111 DIRED/N0447F360 DCT ARBIP
DCT BORMI/N0442F380 DCT SUXAN UL613 SANDY UN57)

new scenario not usable for the summer season  (Refused by NM Strat)
**FL5HNR (FL-MAC18_37)**
(FL2HNR deleted and replaced by more accurate scenarii FL-MAC18_37 to FL-MAC18_39)

- **Deps**: LI
- **Dest**: EGKK

Not allowed via LFEEHNR

Refile: at FL 365 max via UNTIL CLEAR OF SECTOR

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**New Scenario →** made available by NM on 29th April 2018
Ministère de la Transition écologique et solidaire
Direction Générale de l’Aviation Civile

**FL6HNR (FL-MAC18_38)**

(FL2HNR deleted and replaced by more accurate scenarii FL-MAC18_37 to FL-MAC18_39)

Deps  LG
Dest  EGKK
Not allowed via LFEEHN
Refile: at FL 365 max via UNTIL CLEAR OF SECTOR

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**FL 365 max**

**EGKK**

**On-load Area**

**Off-load Area**

**LG**

new scenario made available by NM on 29th April 2018
**FL7HNR (FL-MAC18_39)**
(FL2HNR deleted and replaced by more accurate scenarii FL-MAC18_37 to FL-MAC18_39)

- **Deps**: LT
- **Dest**: EGKK
- Not allowed via LFEEHNR
- Refile: at FL 365 max UNTIL CLEAR OF SECTOR

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**new scenario → made available by NM on 29th April 2018**

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**On-load Area**

**Off-load Area**
**FL4KHNR (FL-MAC18_40)**

(FL1KHNR deleted and replaced by more accurate scenarios FL-MAC18_40 to FL-MAC18_42)

- **Deps**: LI
- **Dest**: EGKK
- **Not allowed via**: LFEKHNR
- **Refile**: at FL 345 max UNTIL CLEAR OF SECTOR

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**new scenario ➔ made available by NM on 29th April 2018**
FL-MAC18_41 (REFUSED BY NM STRAT)
(FL1KHN deleted and replaced by more accurate scenarios FL-MAC18_40 to FL-MAC18_42)

Deps  LG
Dest  EGKK
Not allowed via LFEKHN
Refile: at FL 345 max via LFEK2F

new scenario not usable for the summer season → refused by NMStrat
FL-MAC18_42 (REFUSED BY NM STRAT)
(FL1KHN deleted and replaced by more accurate scenarios FL-MAC18_40 to FL-MAC18_42)

Deps LT
Dest EGKK
Not allowed via LFEEKHN
Refile: at FL 345 max via LFEE2F

On-going: new scenario not usable for the summer season → refused by NMStrat
FL1KHN1R1 (FL1HNR1)

Dep  LSGG, LFLLTMA
Dest  EGKK/EGLL
RefLoc via LFEKHNRTD
Refile: at FL 345 max via LFEKHNRTD

amendments of the scenario → made available by NM on 27th April 2018
Scenario already used in 2017 summer season
**FL1EKD**

**Deps** LFL. LS..

**Dest** EGHH EGHI EGHL EGHO EGHR EGKA EGKB EGLC EGLD
EGLF EGLK EGMC EGMD EGMH EGSG EG SX EGTD EGTF EGTO EGTR EGVO

RefLoc via LFEERLM315
Refile: at FL 315 max via LFEERLM315

**Suggested route**: BUSIL UT133 BAGBI UM733 UTELA or IBABA UZ124 OBURO UH10 CHABY UM733 UTELA or ROTSI UL613 RATUK

**On-load Area**
LFFUT, LFEERLM315, LFFEUR, LFFTNXP, LFFUFUP, LFFFTN

**Off-load Area**
LFEERLM315

**Scenario already used in 2017 summer season**
RR1KD

**Dep**  LIMC LIME LIMF LIML

**Dest**  EG..(except EGE. EGY.) EGYC EGYD EGYE EGYM XF..

RefLoc via LFEEKHNRDT

Refile: at FL 345 max via LFEEKHNRDT

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**Scenario already used in 2017 summer season**
FL4KHNRD

Deps  LIMC LIME LIMF LIML
Dest  EG..(except EGE. EGY.) EGYC EGYD EGYE EGYM XF..
RefLoc via LFEEKHNRDT
Refile: at FL 345 max via LFEEKHNRDT

Scenario already used in 2017 summer season
RR1KD

**Deps** LIMF

**Dest** EGCC EGCN EGNT EGPF EIDW

RefLoc via LFEEKD

Suggested route : MOLUS/F380 UN853 IXILU UL613 VESAN

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**Scenario already used in 2017 summer season**
EG → SOUTH FRANCE

Traffic Flow

Legend

FL or RR

Sectors

South France

FL Scenarios via LFRRMZSI refile below FL295:
- FL1RMZSI (added DEP EGJ* & ARR Lyon Group)
- FL2RMZSI (added DEP EGJ* & ARR Lyon Group)

FL Scenarios via LFRRMZI refile below FL345:
- FL1RMZI (added DEP EGJ* & ARR Lyon Group)
- FL4RMZI (added DEP EGJ* & ARR Lyon Group)

FL Scenarios via LFRRMZU refile below FL365:
- FL1RMZU (added DEP EGJ* & ARR Lyon Group)
- FL2RMZU (added DEP EGJ* & ARR Lyon Group)
- FL3RMZU (added DEP EGJ* & ARR Lyon Group)
- FL4RMZIU (added DEP EGJ* & ARR Lyon Group)

amendments of the scenario → made available by NM on 28th April 2018
AMENDED SCENARIOS (impact DSNA):
- FL1RMZI/FL1RMZSI/FL1RMZU/FL2RMZSI/FL2RMZU/FL3RMZU/FL4RMZI/FL4RMZU:
  - DEP EGJ* added
  - DEST Lyon Group added

→ amendments made available by NM on 28th April 2018
FL1RMZI (NOT AVAILABLE ON THE NOP on the date of the briefing OCC version)

Deps: EGLL/KK/WU/GW/SS/SC/TO/LC/MC/KB/SG/LF/HH/HI/EGJ*

Dest: LFTH/LFM./LS../ Lyon Group

RefLoc via LFRRMZI

Refile: NOT ALLOWED VIA LFRR MZI REFILE BELOW FL345

amendments of the made available by NM on 28th April 2018
FL1RMZSI

Deps: EGLL/KK/WU/GW/SS/SC/TO/LC/MC/KB/SG/LF/HH/HI/EGJ*
Dest: LFTH/LFM./LS../ Lyon Group
RefLoc via LFRRMZSI
Refile: NOT ALLOWED VIA LFRR MZSI REFILE BELOW FL295

amendments of the scenario → made available by NM on 28th April 2018
amendments of the scenario of the summer season → made available by NM on 28th April 2018
Deps  EGGW  EGHH  EGHI  EGHL  EGKB  EGKK  EGLC  EGLF  EGLK  EGLL  EGMC  EGSC  EGSS  EGTF  EGTO  EGVO  EGWU  **EGJ**

Dest:  LFTH/LFM./LS../ Lyon Group  Except LFMN

RefLoc via  **LFRRMZSI**

Refile:  NOT ALLOWED VIA LFRRMZSI  REFILE BELOW FL295

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**ENABLE RAD LF3420-5 AND LF3421-5**

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**FL 295 max**

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**On-load Area**
LFFFUZ
LFFFTPUK
LFBBP12

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**Off-load Area**
LFRRMS
LFRRZS

---

amendments of the scenario → made available by NM on 28th April 2018
FL2RMZU

**Dep**s: EGFF EGGD EGGW EGHH EGHI EGKB EGKK EGLC EGLF EGLL EGMC EGSC EGSG EGSS EGTO EGWU EGJ*

**Dest:** LFTH/LFM./LS../ Lyon Group

RefLoc via LFRRMZU

Ref: **NOT ALLOWED VIA LFRR MZSI ** REFILE BELOW FL365

amendments of the scenario → made available by NM on 28th April 2018
Dest: LFTH/LFM./LS./ Lyon Group
RefLoc via LFRRMZU
Refile: NOT ALLOWED VIA LFRR MZSI REFILE BELOW FL365

amendments of the scenario made available by NM on 28th April 2018
FL4RMZI

( NOT AVAILABLE ON THE NOP on the date of the briefing OCC version )

Deps EGLL/KK/WU/GW/SS/SC/TO/LC/MC/KB/SG/LF/HH/HI/EGJ*
Dest: LFTH/LFM./LS../ Lyon Group/LIMA,LIMB, LIMC,LIME,LIMF,LIMG,LIMJ,LIML
LIMN,LIMP,LIMS,LIMW, LIMZ , Lyon Group

RefLoc via LFRRMZI
Refile: NOT ALLOWED VIA LFRRMZI REFIL BELOW FL345

amendments of the scenario → made available by NM on 28th April 2018
FL4RMZU

Deps  EGGW EGHH EGIH EGIHL EGBK EGLC EGLF EGLK EGLL
EGMC EGSC EGSS EGTF EGTO EGVO EGWU/EGJ*
Dest:  LFTH/LFM./LS../ Lyon Group/LIMA,LIMB, LIMC,LIME,LIMF,LIMG,LIMJ,LIML
LIMN,LIMP,LIMS,LIMW, LIMZ , Lyon Group
RefLoc via  LFRRMZU
Refile:  NOT ALLOWED VIA LFRR MZSI  REFILE BELOW FL365

amendments of the scenario → made available by NM on 28th April 2018
FL1RQXU

Deps EGGW EGHL EGKB EGKK EGLC EGLF EGLK EGLL EGMC EGTD EGTO EGVO EGWU
Dest: Any
RefLoc via LFRRQXU
Ref: NOT ALLOWED VIA LFRR QXU REFILE BELOW FL365
Suggested alternative route : SITET/F360 UN859 AMB

On-load Area
LFBBP3, LFBBXL3, LFRRXI, LFBBX4

Off-load Area
LFRRQXU

Scenario already used in 2017 summer season
FL2BL4
FROM EGHL EGKB EGKK EGLC EGLF EGLK EGLL EGMC EGTD EGTF EGTO EGVO EGWU
TO ANY

RefLoc via LFBBL4
Refile: NOT ALLOWED VIA LFBB L4 sector  REFILE BELOW FL365
Suggested alternative route : UN859 AMB/F350 UN859 or UN859 AMB/F350 UN859 BALAN UL152 MAKOX UN860

On-load Area
LFBBL3, LFRRX1, LFRRX3

Off-load Area
LFBBL4

Scenario already used in 2017 summer season
FL3BL4
FROM EGGW EGHL EGKB EGKK EGLC EGLF EGLK EGLL EGMC EGTD EGTF EGTO EGVO EGWU
TO ANY

RefLoc via LFBBL4
Refile: NOT ALLOWED VIA LFBB L4 sector  REFILE BELOW FL365

Suggested alternative route :

On-load Area
EGTTEGPXAL, LFBBL3, LFRRXI, LFBBX3

Off-load Area
LFRRXU, LFBBL4, LFBBH4, LFBBX4

Scenario already used in 2017 summer season
FL6RVK
FROM EGHH EGHI EGKK or EGFF EGGD EGTE except: via ANNET TO ANY
RefLoc via LFRRVKU
Ref: NOT ALLOWED VIA LFRR VKU sectors  REFERE BELOW FL355
Suggested alternative route : SAM/F350 M195 LORKU UN866 KEREB or NOTRO/F350 UM30 SALCO UN864 IDRIK
or SAM/F350 M195 LORKU UN866 QPR UM30 ERWAN or SAM/F350 M195 MARUK N621 LELNA UN621 BASIK UN90 NOVAN

Scenario already used in 2017 summer season
FL7RVK
FROM EGHH EGHI EGKK or EGLL or EGFF EGGD EGTE except: via ANNET TO ANY
RefLoc via LFRRVKU
Refile: NOT ALLOWED VIA LFRR VKU sectors
File below FL 355 until KEREB or ERWAN or NOVAN or KORER
Suggested alternative route:

Scenario already used in 2017 summer season
FL2BX4
FROM LEBL LEDA LEGE LELL LERS TO ANY
RefLoc via LFBBX4
Refile: NOT ALLOWED VIA LFBBX4 sector REFILE BELOW FL365
Suggested alternative route: GIROM/F360 UN863 CNA or OKABI/F360 UN861 TOU/F360 UN861 FISTO UY156 PERIG

Scenario already used in 2017 summer season
**FL4BX4**

FROM LEBL LEGE LERS (via GIROM) TO ANY

RefLoc via LFBBX4

Refile: NOT ALLOWED VIA LFBB X4 sector REFILE BELOW FL365

Suggested alternative route: F300 GIROM/F360 UN863

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Scenario already used in 2017 summer season
Ministère de la Transition écologique et solidaire
Direction Générale de l'Aviation Civile

FL2RNU
FROM ANY TO EGGW EGKB EGKK EGLC EGMC EGSC EGSS EGTO EGWU (via LFRRG ) or EGDM EGHR or EGHH EGHL EGLF EGLK EGTD EGTF EGVO except: to EGSS or EGSC or EGGW

RefLoc via LFRRNU
Refile: NOT ALLOWED VIA LFRR NU sector REFILE BELOW FL365
Suggested alternative route: SHOULD REFILE BELOW FL365 TO AVOID LFRR N-UPPER SECTOR BY: UNEKO, DESAB, LEBRI OR GODEM

On-load Area
LFRRNI, LFRRNS

Off-load Area
LFRRNU

Scenario already used in 2017 summer season
FL4RNU
FROM ANY TO EGDX EGFF EGFH EGGD EGHG EGHI EGHL EGLC EGLF EGLK EGMC EGTD EGTE EGTF EGVO
RefLoc via LFRRNU
Ref: NOT ALLOWED VIA LFRR NU sector REFILE BELOW FL365
Suggested alternative route: MOKOR/F360 UP87 TERPO or RODRA/F380 UN861 TOU UY120 CHALA/F360 UY120 TUPAR UM184 RINSO/F240 or MANAK/F360 UY110 TIRAV or MANAK/F360 DCT AGOTU

On-load Area
LFBBR3, LFRRNI, LFRRGI, LFRRNS

Off-load Area
LFRRNU LFBBX4

Scenario already used in 2017 summer season
3 NEW SCENARIOS (on accurate citypairs and peak hours, impact DSNA):

- 3 FL scenarios MAC18-Measure_29-A, 29-C -30-D (from LIM, LPLL, LFML to DA, South & south-east Spain) at **FL295 max via LFMM sectors**.
- amendments made available by NM on 09th May 2018

LEPA/LEIB→ EDDS/LSGG, LSZH, LFSB

1 NEW SCENARIO (on accurate citypair and peak hours, impact DSNA):

- 1 FL scenario MAC18-Measure_30-B (from LEPA/LEIB to EDDS, LSGG, LSZH, LFSB) at **FL345 max via LFMM sectors**.
- amendments made available by NM on 09th May 2018

new scenarii → made available by NM on 09th May 2018
FL1MM24 (FL-MAC18_29-A)
Dep: LFML
Dest: LEMD/LPPT
Not allowed via LFMMM234
Refile: at FL 335max

new scenario → made available by NM on 09th May 2018
new scenario → made available by NM on 09th May 2018
FL1MBK24 (FL-MAC18_30-D)
Deps LIM
Dest LFBL/LEPA
Not allowed via LFMMEK234
Refile: at FL305 max

PAN EUROPE RAD AS LFMMM234 to avoid climb after PADKO

new scenario → made available by NM on 09th May 2018
new scenario → made available by NM on 09th May 2018
3 NEW FL SCENARIOS (on accurate citypairs and peak hours, impact DSNA):
- 1 FL scenario MAC18-Measure_29-D (LFBO/LFBT to LIRA, LIRF).
- 2 FL scenarios MAC18-Measure_29-G -H (LIRA, LIRF to LFBO/LFBT).

amendments made available by NM on 09th May 2018
FL4MMF24 (FL-MAC18_29-D)

Dep: LFBO/LFBT
Dest: LIRF/LIRA
Not allowed via LFMMMF234
Refile: at FL 335 max

new scenario → made available by NM on 09th May 2018
FL1MMF24 (FL-MAC18_29-G)

Deps  LIRF/LIRA
Dest   LFBO/LFBT
Not allowed via LFMMMF234
Refile: at FL 335 max

On-load Area
LFMMF1
LFMMF234
LFBBH1

Off-load Area
LFMMMF234

new scenario → made available by NM on 09th May 2018
FL2MEK23 (FL-MAC18_29-H)

Dep: LIRF/LIRA
Dest: LFBO/LFBT
Not allowed via LFMMEK23
Refile: at FL 305 max

new scenario → made available by NM on 09th May 2018
**RR1FTE**

**Dep** EDDM EDDS  
**Dest:** LFPB LFPG  
RefLoc via **LFFFTE**  
Refile: **NOT ALLOWED VIA LFFFTE**

Suggested alternative route: ALG/F360 Y109 UMTEX Y100 TRA UL856 GIVRI UM982 TINIL/F300  
or OLASO/F320 Z714 PELOG UM164 OBORN/F240

**On-load Area**  
LFFFAR, LFFFUJ, LSAZM37, LFEKHF, EDMMFUE

**Off-load Area**  
LFFFTE, EDYYBLUX, LFFFAP

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**Scenario already used in 2017 summer season**
**RR2FTE**

**Dep**s LT.. or HE..
**Dest**: LFPB LFPG
RefLoc via **LFFFTE**
Refile: NOT ALLOWED VIA **LFFFTE**

Suggested alternative route: ERKIR UL608 KPT UL856 GIVRI UM982 TINIL

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**Scenario already used in 2017 summer season**
RR3FTE

Deps LR..
Dest: LFPB LFPG
RefLoc via LFFFTE
Refile: NOT ALLOWED VIA LFFFTE
Suggested alternative route: GIVRI/F380 UM982 TINIL

Scenario already used in 2017 summer season
**RR4FTE**

**Deps** LO..
**Dest:** LFPB LFPG
RefLoc via LFFFTE
Refile: NOT ALLOWED VIA LFFFTE
Suggested alternative route: HOC/F360 UL856 GIVRI

On-load Area
LFFFAR,
LFFFUJ
LSAZM37

Off-load Area
LFFFTE,
LFFFAP,
EDYYB3LL

Scenario already used in 2017 summer season
RR5FTE

**Depts** LH..
**Dest:** LFPB LFPG
RefLoc via LFFFTE
Refile: NOT ALLOWED VIA LFFFTE
Suggested alternative route: HOC/F360 UL856 GIVRI UM982 TINIL

Scenario already used in 2017 summer season
RR5FTE

Dep: LH..
Dest: LFPB LFPG
RefLoc via LFFFTE
Refile: NOT ALLOWED VIA LFFFTE
Suggested alternative route: HOC/F360 UL856 GIVRI UM982 TINIL

Scenario already used in 2017 summer season
SCENARII FOR INTERNAL NEED OF AN ACC

- **LFBB**: FL2BL2 (new), FL2BL4 scenarii to protect L sector
- 2 FL scenarios MAC18-Measure_29-G -H (LIRA, LIRF to LFBO/LFBT).
FL2BL2 (NEW SCENARIO FOR LFBB INTERNAL NEEDS)

FROM LFP* TO LFBDTMA
FROM LFMMFIR TO LFBDTMA
FROM LFRRS+LFRZ+LFR1+LFRN TO ANY / FROM ANY TO LFRRS+LFRZ+LFR1+LFRN

Dest: Any
RefLoc via LFBBBL2
Ref: NOT ALLOWED VIA LFBB L2 sector  REFILE BELOW FL295

Suggested alternative route: -

NEW SCENARIO FOR LFBB INTERNAL NEEDS AVAILABLE ON 08th August 2018
**FL5BR2**  (NEW SCENARIO FOR LFBB INTERNAL NEEDS)

FROM LFRS/LFRZ/LFRN/LFRI TO ANY
FROM LF.. (except LFV, LFW.) TO LFOT LFPN LFPO LFPV
FROM ANY TO LFRS/LFRZ/LFRN/LFRI

RefLoc via LFBBR2
Refile: NOT ALLOWED VIA LFBB R2 sector  REFILE BELOW FL295

Suggested alternative route: FINOT/F290 G36 GAI UY156 FISTO/F280 UY156 PERIG UT210 DIBAG

NEW SCENARIO FOR LFBB INTERNAL NEEDS AVAILABLE ON 08th August 2018
Ministère de la Transition écologique et solidaire
Direction Générale de l’Aviation Civile

**FL2BR2**
FROM LFRS/LFRZ TO LFLL
FROM LFLL TO LFRS/LFRZ

RefLoc via LFBBR2
Refile: NOT ALLOWED VIA LFBB R2 sector  REFILE BELOW FL295
Suggested alternative route: LMG/F280 UN460 FOUCO UT183 MANAK or TUPAR/F290 UM616 DIDRU

Scenario already used in 2017 summer season
FL2BR4

FROM ANY
TO LFPB LFPC LFPG LFPT or EBBR EBCI EBOS EDDK ELLX LFOB LFQQ

RefLoc via LFBBR4

Refile: NOT ALLOWED VIA LFBB R4 sector REFILE BELOW FL365

Suggested alternative route: POI/F300 UT182 KEPER/F280 or ADABI/F360 UN858 VANAD/F340

Scenario already used in 2017 summer season
FL3BR2
FROM LFRE LFRI LFRS LFRZ (via BEBIX ) TO ANY
FROM ANY (via BEBIX ) TO LFRE LFRI LFRS LFRZ
RefLoc via LFBBR2
Refile: NOT ALLOWED VIA LFBB R2 sector  REFILE BELOW FL295
Suggested alternative route :-

Scenario already used in 2017 summer season
FL4BR2
FROM LF..(except LFV.) TO LFOT LFPN LFPO LFPV
RefLoc via LFBBR2
Refile: NOT ALLOWED VIA LFBB R2 sector REFILE BELOW FL295
Suggested alternative route: FINOT/F290 G36 GAI UY156 FISTO/F280 UY156 PERIG UT210 DIBAG

Scenario already used in 2017 summer season
FL3BX4
FROM LFLB LFLL LFLS LSGG or LFRS TO ANY
RefLoc via LFBBX4
Refile: NOT ALLOWED VIA LFBB X4 sector REFILE BELOW FL365
Suggested alternative route: F210 TUPAR/F350 UM184 CNA UN863 SECHE or F360 LERGA UN869 AGN

Scenario already used in 2017 summer season
RefLoc via LFBBX4
Refile: NOT ALLOWED VIA LFBB X4 sector  REFILE BELOW FL365

Suggested alternative route : -

On-load Area
EGTTTCN,
LFBB2NH3,
LFRQQXU,
LFBBH23,
EGTTLMUW,
LFBBTG,
LFBBL3,
LFBBH1,
LFBBL4,
EGTTLAMFI,
LFMTFE,
EGSSALL,
EGTTTCOW,
LFMML,
EGTTCPPT,
LFBOFIS,
LFBBX1,
LFBBX3,
LFBBX2

Off-load Area
LFBBX4,
LFBBT4,
LPPCNOT,
LFBBX4

Scenario already used in 2017 summer season
FL8BX4
FROM LSGG or LFHE LFHG LFHH LFHJ LFHS LFHV LFHW LFJD LFKL LFKP LFLB LFLI LFLL LFLM LFLN LFLO LFLP LFLR LFLS LFLU LFLY LFLZ LFMH LFXA
TO ANY
FROM ANY TO LFMP LFMT LFMU
RefLoc via LFBBX4
Refile: NOT ALLOWED VIA LFBB X4 sector  REFILE BELOW FL365
Suggested alternative route :-

Scenario already used in 2017 summer season
FL4EKD

**Deps** LFL.
**Dest:** EHAM
RefLoc via LFEEKHRD
Ref: NOT ALLOWED VIA LFEEKHRD REFILE BELOW FL345
Suggested alternative route:

- On-load Area
  - LFFFFFFUS,
  - LFEER5R,
  - LFE4N

- Off-load Area
  - LFEJKHR,
  - LFEKD,
  - LFEKHNN

Scenario already used in 2017 summer season
FL1RQXSI

**Deps**  LFOB  LFPB  LFPG  LFPN  LFPO  LFPT  LFPV

**Dest:** Any

RefLoc via **LFRRQXSI**

Refile: NOT ALLOWED VIA LFRR QXSI   REFILE BELOW FL295

Suggested alternative route : -

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Scenario already used in 2017 summer season
FL1RNIU

**Dép** LFOB LFPC LFPG LFPN LFPO LFPT LFPV
**Dest:** Any
RefLoc via **LFRRNIU**
Refile: NOT ALLOWED VIA LFRR NIU  REFILE BELOW FL345

Suggested alternative route:

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**Scenario already used in 2017 summer season**
**FL1RNU**

**Dep**: LFOB LFPB LFPC LFPG LFPO LFPT LFPV  
**Dest**: Any  
**RefLoc via LFRRNU**  
**Refile**: NOT ALLOWED VIA LFRR NU REFILE BELOW FL365  
Suggested alternative route: KURIS/F360 UT176 TERPO

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**Scenario already used in 2017 summer season**
**FL5RNU**

- **Dep**: Any
- **Dest**: EB..
- **RefLoc via LFRRNU**
- **Ref file**: NOT ALLOWED VIA LFRR NU   REFILE BELOW FL365

Suggested alternative route: F360 NOVAN UN741 MOKOR UN873 or F360 DESAB UN873 OBATO

*Scenario already used in 2017 summer season*
FL1REST

Dep LFRS LFRZ
Dest: EB.. EHAM LFQQ LFST
RefLoc via LFRREST
Refile: NOT ALLOWED VIA LFRREST REFILE BELOW FL295
Suggested alternative route: -

Scenario already used in 2017 summer season
FL2REST

Deps EB.. EHAM LFQQ LFST
Dest: LFRS LFZR
RefLoc via LFRREST
Refile: NOT ALLOWED VIA LFRREST REFILE BELOW FL295

Suggested alternative route:

Scenario already used in 2017 summer season
Suggested alternative route: SADAF/F380 UN856 EBROX DCT LATRO UN861 FISTO
UY156 FOUCO UT181 POI/F300 UT182 NIMER/F280 UT182 KEPER

On-load Area
LFBBR4, LFRRXU, LECBLVS, LECBVVS, LECBGOI, LFBBNH4, LFBBX4

Off-load Area
LFFAR, LFFFUJ

Scenario already used in 2017 summer season