



MINISTÈRE  
CHARGÉ  
DES TRANSPORTS

*Liberté  
Égalité  
Fraternité*



# USER FORUM 02 February 2023



DSNA  
4-Flight commissioning LFEE  
and LFMM  
Summer 2023 preparation

# Successful implementation in Reims : 05 April 2022



## Process NM/DSNA in preparation and execution phases

- ⊙ Preparation phase :
  - ⊙ Strategic plan
  - ⊙ Network measures
  - ⊙ Pre-tactical planning
- ⊙ Execution phase :
  - ⊙ Presence at NMOC and reinforced experts teams (ATFCM/4F...) in LFEE
  - ⊙ Plan followed
  - ⊙ Adaptation of measures to what needed

# Preparation / Execution : some lessons learned

- Start preparations as early as possible
- Share information / simulations
- Short regular meetings NM / DSNA
- Network measures : process to define and validate them
- Need of stability : plan D-2 / D-1
- ...
- Presence LFEE and DO/HQ experts at NMOC better coordination in first days
- Local support by 4F/ATFCM experts
- Good coordination with impacted FMPs
- Following of the plan => stability
- Monitoring traffic and delays
- Regular meetings to adapt measures
- ...

**Good coordination between NM/DSNA/other stakeholders : one of the key elements for success in such implementation**

# Successful implementation in Marseille : 06 December 2022

- Preparation/Execution : Similar process that for Reims implementation, strong reinforcement of 4F/ATFCM teams at LFMM
- Main differences :
  - Period of implementation adapted to Marseille traffic demand
  - Returns of experience from Reims implementation
  - New version of 4F in October
  - Possibility to make several long live trials in November
  - No need of RAD measures only scenarios and LFMM ATFCM experts at NMOC

**Again good coordination helps for successful implementation and mitigation of impact on AO**

# Current situation and what next

- LFEE Capacity (09/11/22) :
  - > FL345 : Back to normal and up to +25%
  - <FL345 : From -15% to normal
- New FDPS version : end of March, fix part of instability of calculation of trajectories to solve FPL distribution at interfaces
- LFMM after nearly 60 days
- Level of delays : Low
- Capacity (09/01/23) :
  - -20% in most upper sectors
  - -30% in lower sectors and some complex upper sectors
  - Next step 06 February
- New FDPS version : idem Reims

**Same process for elaboration of 4F LFFF transition plan**

# Preparation of Summer 2023 : an efficient process of coordination

- Several meetings of coordination between DSNA and NM STRAT teams
- Plan based on last STATFOR traffics forecasts
- To identified at strategic level :
  - Imbalanced sectors/capacity offer versus traffic demand, capacity gap in ACC
  - Needs of HR measures : Densification or modification of rostering
  - Needs of complementary measures (scenarios, extra RAD...)
- Be ready for beginning of summer season
- For summer 2023 : densified roster\* in LFBB, LFEE, LFFF, LFRR and in LFPG, LFMN, LFLL, LFML, LFMT => Reduce or cancel the capacity gap at DSNA
- => Reduce the impact for AOs