

# Inter FAB cooperation in case of major events

SW FAB

Inter-FAB workshop operations

Langen, 2&3 of May 2016



## An example: ERATO Implementation

Erato was implemented in Brest ACC on 23rd November 2015. The transition plan comprised major capacity reductions in Brest sectors and a very extended time frame (up to 7 months).



- Severe overall delays, pushing traffic into late evening/night shifts
- Disrupted traffic patterns, as AO attempted to avoid Brest ACC, overloading the sectors at Brest-Shanwick and Brest-Bordeaux borders



**Severe impact at SW FAB (LECM&LPPC)**



**Delays**



## Major Event Cooperation

**Inter FAB cooperation, jointly with NM, in order to minimize such impact in adjoining FAB is absolutely necessary in all phases of planning and operation**

- **Strategical**
- **Pre Tactical**
- **Tactical**

## Strategic Phase

Transition plans, containing **accurate** and **realistic** information must be provided in advance to adjacent FABs, ANSPs and NM in order for them to have time to:

- Analyse rostering and staffing needs, in order to properly reinforce late evening/night shifts
- Define ATFCM measures (i.e. ad hoc scenarios) in order to shift flows and distribute traffic loads to reduce pressure in bottlenecks
- Modifying sector layout/layers to provide capacity where is most needed

These transition plans should as well involve AOs and be distributed at least **6 months beforehand**

## Pre-Tactical Phase

In order to fine-tune the measures prepared beforehand and to take into account the actual impact of the event as time progresses, coordination in the pre tactical phase should take place

- Between all affected ANSP, AO and NM
- Following the most suitable schedule for the event (weekdays/weekends, before significant events etc.)

This coordination is best handled via telecoms





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## Tactical Phase

Fluid coordination between FMP positions and NM during the tactical phase is a **must** in order to properly handle the traffic, avoid overstressed sectors and bottlenecks and making sure all actors are properly and timely informed of any measures taken, **avoiding unexpected traffic shifts.**

Lessons learned during tactical operations should be used as inputs in the following pre tactical telecoms

## Conclusions

- **Major events may be a source of large scale disruptions in the network**
- **An implementation plan that is both accurate and realistic should be distributed well in advance to the event date to adjoining FABs, ANSPs, AOs and NM in order to have time enough to develop adequate strategies**
- **Further coordinations must take place at all levels (strategic, pre tactical and tactical) with all stakeholders**





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**Thank You**

