

Supporting
European
Aviation



Summer 2022 & New Operations Centre

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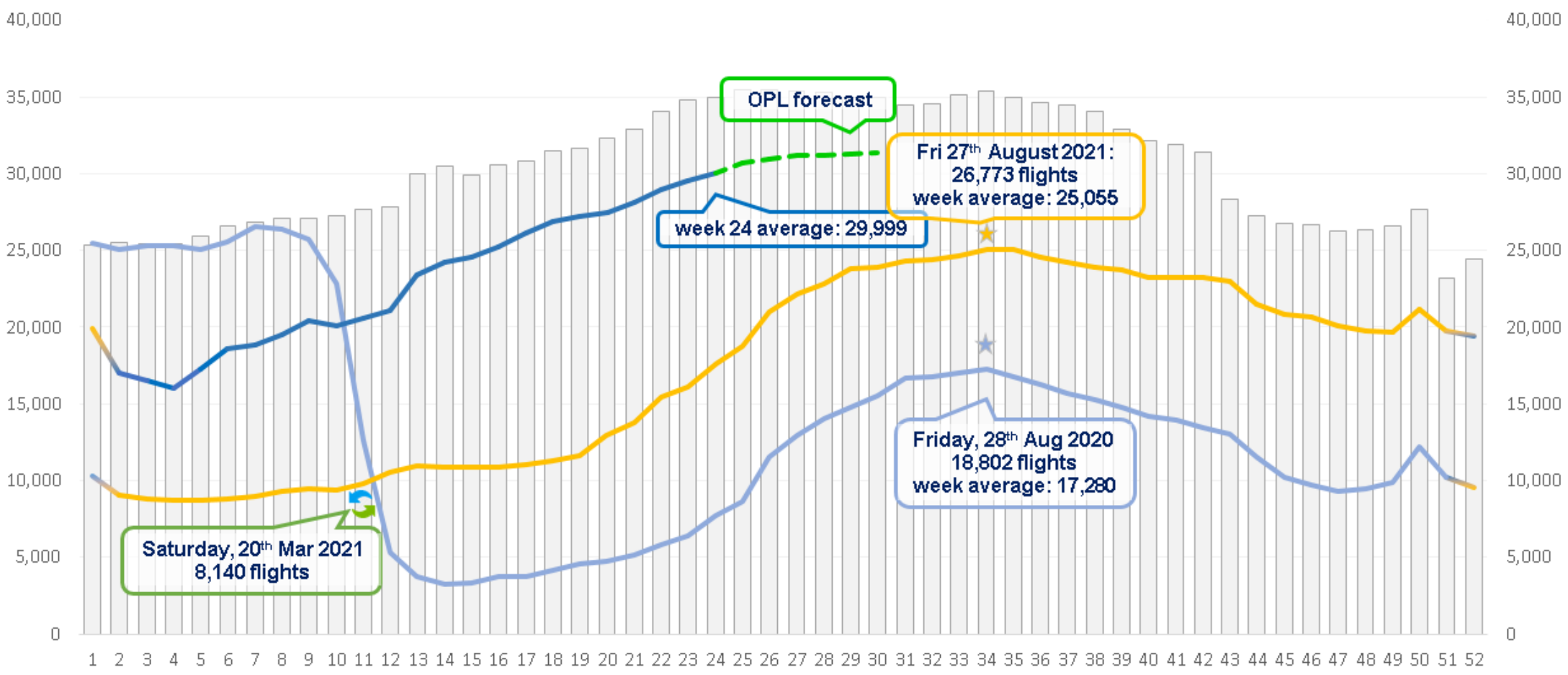
21 June 2022



EUROCONTROL Network

Weekly Traffic Evolution: 2019 - 2020 - 2021 - 2022

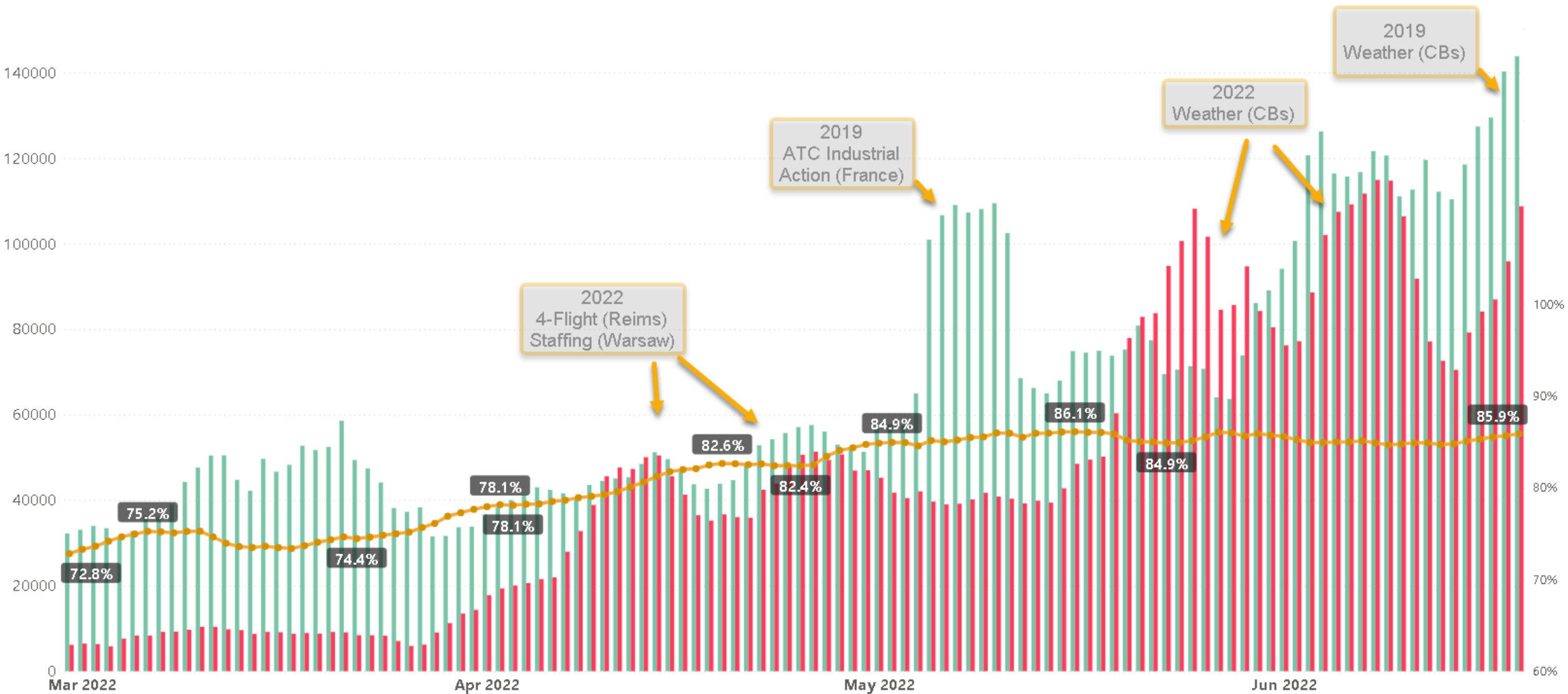
(average flights/day)



[Note: 2022 week numbers / traffic aligned on spring clock changes] 2019 2020 2021 2022

EUROCONTROL Network

ATFM Delay (all causes, Airport + En-Route), per day, 2019 and 2022 (averaged over 7 days)



Summer ahead – WAC Madrid 2022

● 2019 [7 Days Delay Avg.] ● 2022 [7 Days Delay Avg.] ● % of 2019 Flights [7 Days Avg.]

Summer ahead – 89.5% of 2019 traffic

From	To	Daily average	Recovery Rate
20-06-2022	26-06-2022	30700	86.5%
27-06-2022	03-07-2022	30900	87.0%
04-07-2022	10-07-2022	31200	88.0%
11-07-2022	17-07-2022	31200	88.3%
18-07-2022	24-07-2022	31300	89.3%
25-07-2022	31-07-2022	31300	89.5%

- Strong recovery continues, gradual growth
- Changes related to the current Ukrainian crisis incorporated in the traffic outlook
- Volatility remains related to additional flights and changes in routings, Business Flights, Airports
- Requesting 10% buffer in provided capacity

Network Preparation Measures

- **Network scenarios with the concerned ANSPs**
 - Better use of the available capacity from a network perspective
- **Special coordination procedures with DSNA and DFS**
 - Fine tune the capacity delivery – embedded in NMOC for busiest weekends
- **Summer 2022 NM/ANSPs 4 Flight transition Network measures**
 - Further evolutions of transition plan expected this week
- **Summer 2022 NM/ANSPs DFS measures**
 - Measures required for Karlsruhe, including suspension of some of the 4 Flight measures
 - Final meeting 23 June 2022 with all concerned Stakeholders

Summer 2022 airspace availability and traffic

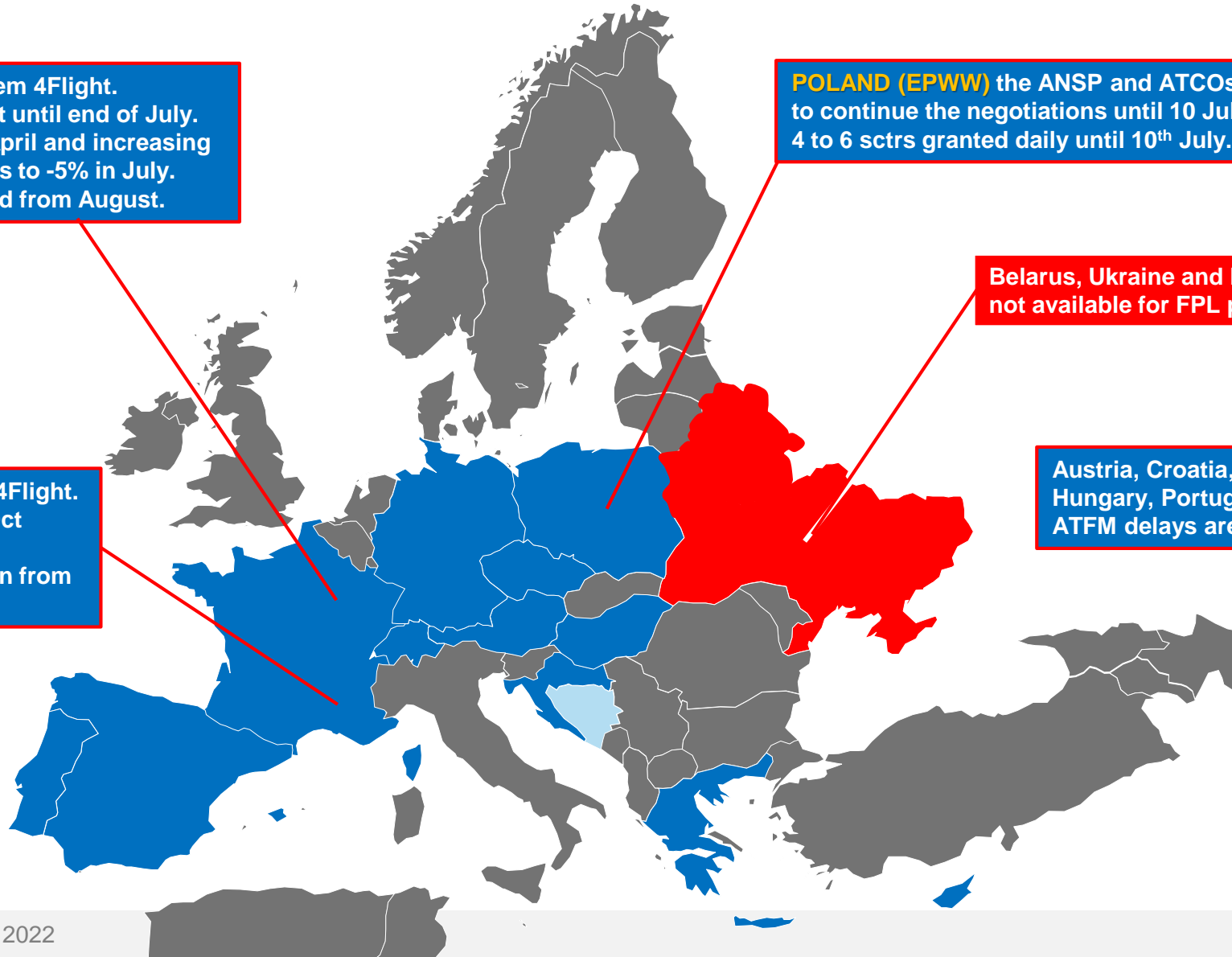
REIMS (LFEE): new system 4Flight.
Transition period will last until end of July.
Capacity minus 30% in April and increasing gradually every 3/4 weeks to -5% in July.
Normal capacity expected from August.

POLAND (EPWW) the ANSP and ATCOs agreed to continue the negotiations until 10 July.
4 to 6 sctrs granted daily until 10th July.

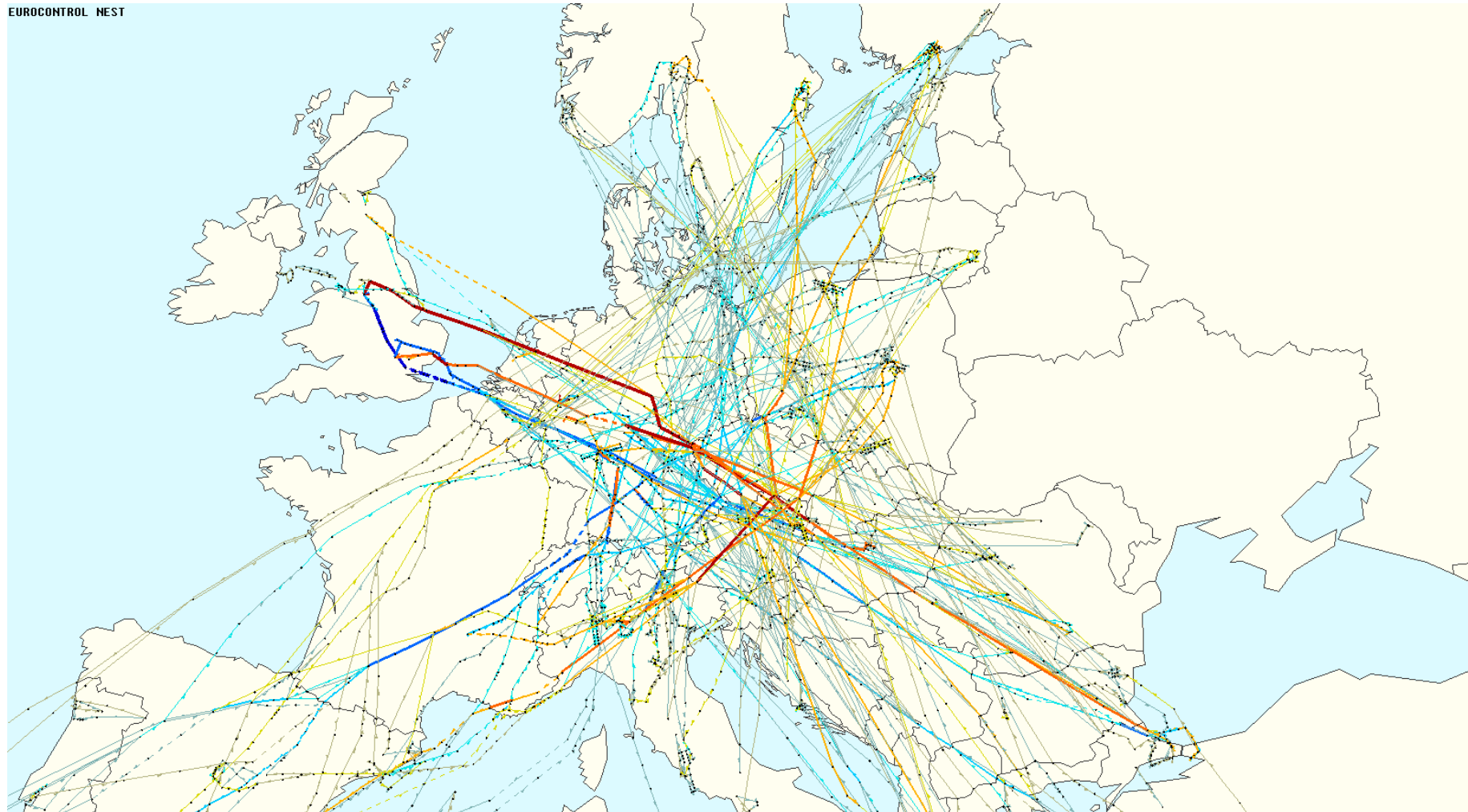
Belarus, Ukraine and Russian airspaces not available for FPL planning.

MARSEILLE (LFMM) system 4Flight.
7 Mar – 10 Jun and 23 Sept-Oct reduced sectorization.
No training/capacity reduction from 10 June – 23 Sept

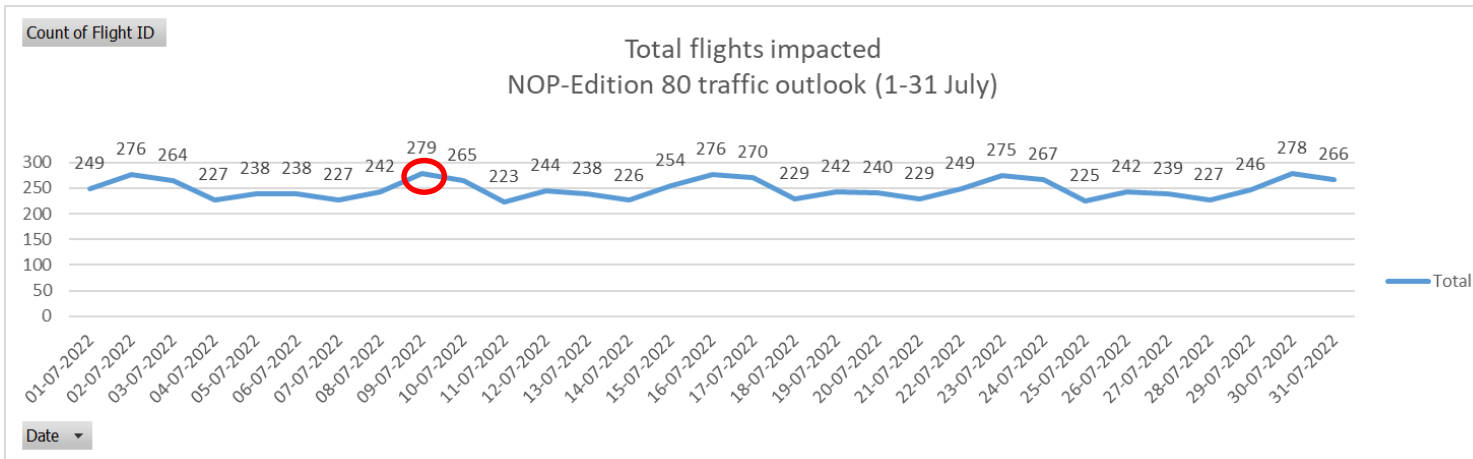
Austria, Croatia, Cyprus, Germany, Greece, Hungary, Portugal, Spain, Switzerland: ATFM delays are likely due to traffic demand.



Additional Network Measures - All traffic impacted



Total number of flights to be impacted (July 2022)



* 09-July used as basis for the figures on next slides

Country Pair	(flts/day)
1 LE_ED	24,84
2 LG_EG	23,00
3 LT_EG	16,52
4 LT_ED	12,23
5 ES_LI	8,94
6 LR_EG	8,52
7 LI_ES	8,16
8 LE_EP	7,68
9 LH_EG	7,58
10 EP_LE	7,03
11 ED_LO	6,94
12 LI_EG	6,52
13 LO_ED	5,90
14 EN_LG	5,68
15 EF_LI	5,39
16 LG_EN	4,68
17 LH_ED	4,58
18 LR_ED	4,58
19 LI_EP	4,42
20 EN_LT	4,39
21 EP_LP	4,35
22 EF_LE	4,10
23 LE_EF	3,87
24 LP_EP	3,68
25 ES_LD	3,48
26 EP_LI	3,29
27 LT_EH	2,97
28 GC_EP	2,48
29 LB_ED	2,45
30 LO_EH	2,23
31 ED_LI	2,16
32 LB_EG	2,10
33 EV_LE	2,03
34 EP_GC	1,90
35 EN_LH	1,81
36 LE_EV	1,77
37 ES_LG	1,65
38 ED_LI	1,48
39 LD_ED	1,48
40 LD_ES	1,42

Airline	flts/day
1 RYR	48,19
2 EWG	18,74
3 THY	17,16
4 WZZ	15,16
5 DLH	13,42
6 EZY	11,74
7 SAS	11,74
8 EXS	10,23
9 FIN	8,10
10 TOM	7,87
11 PGT	6,61
12 NOZ	5,97
13 NSZ	5,06
14 CFG	5,00
15 BTI	3,97
16 DLA	3,81
17 LOT	3,10
18 AUA	2,68
19 ENT	2,65
20 SXS	2,65
21 VKG	2,65
22 TUI	2,61
23 AEE	2,58
24 EJU	2,19
25 TAP	2,19
26 CXI	2,16
27 CAI	1,97
28 VLG	1,87
29 TVP	1,81
30 ROT	1,58
31 BLA	1,16
32 FHY	1,16
33 RUK	1,16
34 RYS	1,10
35 TVS	1,10
36 BLX	1,00
37 KLM	1,00
38 LZB	1,00
39 NJE	0,65
40 JET	0,58



The NMOC



The NMOC has 25 years experience in managing the Network (flight planning, airspace data, flow management, delay mitigation, disruption and crisis). NMOC staff able to take best possible CDM decision vs the needs of all Stakeholders under normal, disruptive, and critical circumstances.

2022 Summer traffic in the Network will achieve + 100% in parts of 2019

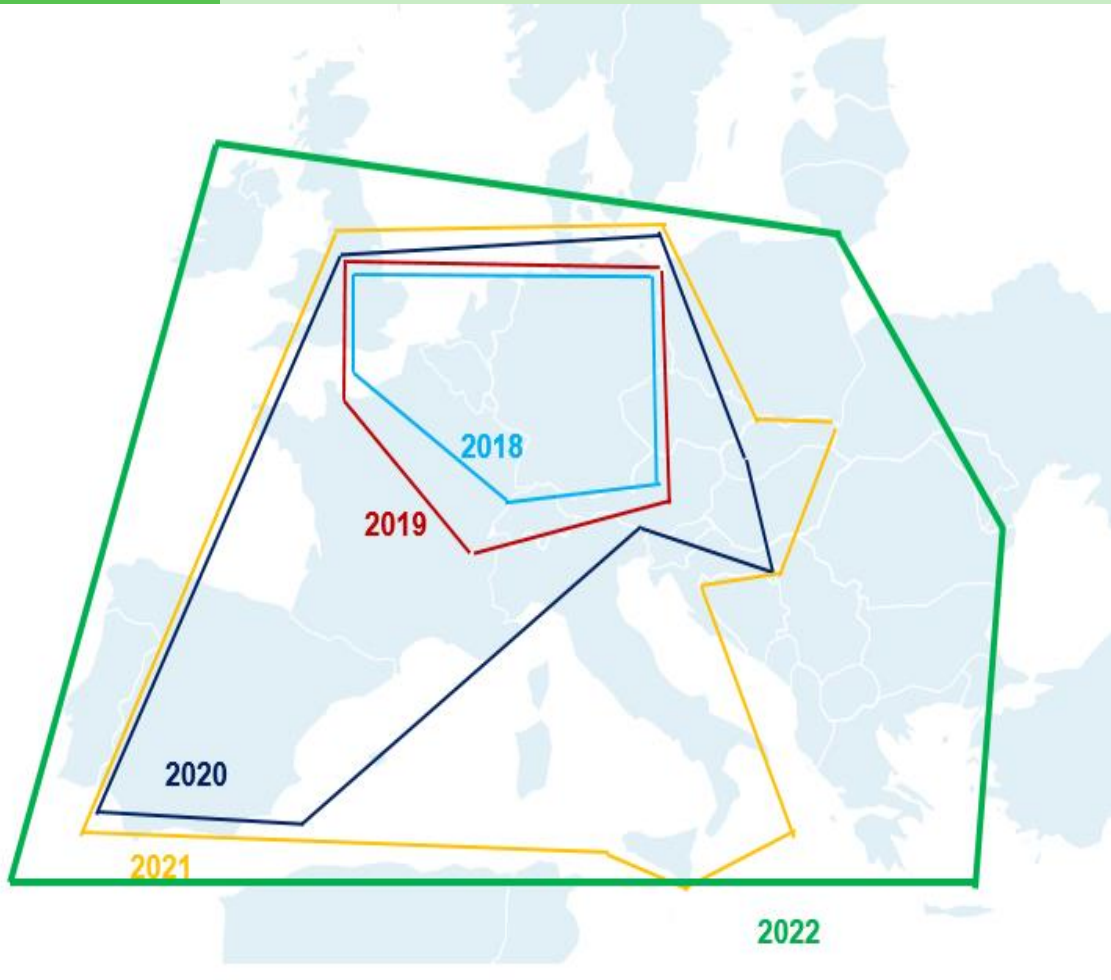
The NMOC performance in ATFM delay reduction is excellent (3 to 3.5M min delay saved each year since 2012) using the mitigation 'toolset' in collaboration with ANSPs, Airports and AUs:

- **Use of off-load measures:** re-routeing or level-capping scenarios
- **Use of RRP** (Re-routeing proposal) sent to Operator
- **Slot list management** by Flow Management staff
- **E-HelpDesk:** ability to treat each request within 90 seconds
- **Airport function**
- **Weather management**



En-route Summer WX cross border

3rd May – 30th Sept



- Geographical area expanded in 2022
- Official met service providers under EUMETNET in NMOC until end September
- Weather situational awareness across the network both D-6 to D-0
- Pre-tactical / tactical teleconferences organised by NMOC to agree on delay mitigation plan.
- Increasing the lead time of application of tactical weather regulations and where possible reducing their number.
- Collaborative Decision Making processes and operational procedure in place.



The NM contribution

The Flight Efficiency Task Force



The NM created the **FE Task Force** to support **AUs** in planning efficient/optimal routes, so achieving savings in **miles** => **fuel** and improving network **predictability** => **gains for Flight Efficiency**.

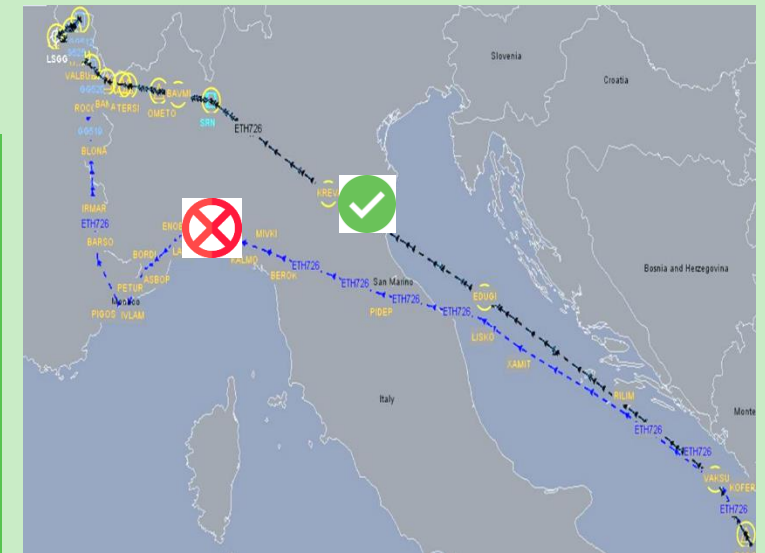
Identification of re-routing alternatives based on the current filed FPL and airspace opportunities, leading to:

- modification of the filed flight plan (**tactical improvement**) with more efficient route
- update company routes (**post-ops improvement**)
- **CFSP** database **changes**
- **proposals for** RAD relaxation, increase of DCT options

Reminder: *NM Flight Planning Requirements – Guidelines* document

⇒ basic NM flight planning requirements to be known by AU / CFSPs is available at:

⇒ <https://www.eurocontrol.int/publication/nm-flight-planning-requirements-guidelines>



contact: nm.fetaskforce@eurocontrol.int

THE NEW NETWORK MANAGEMENT OPERATIONS CENTRE

From this:



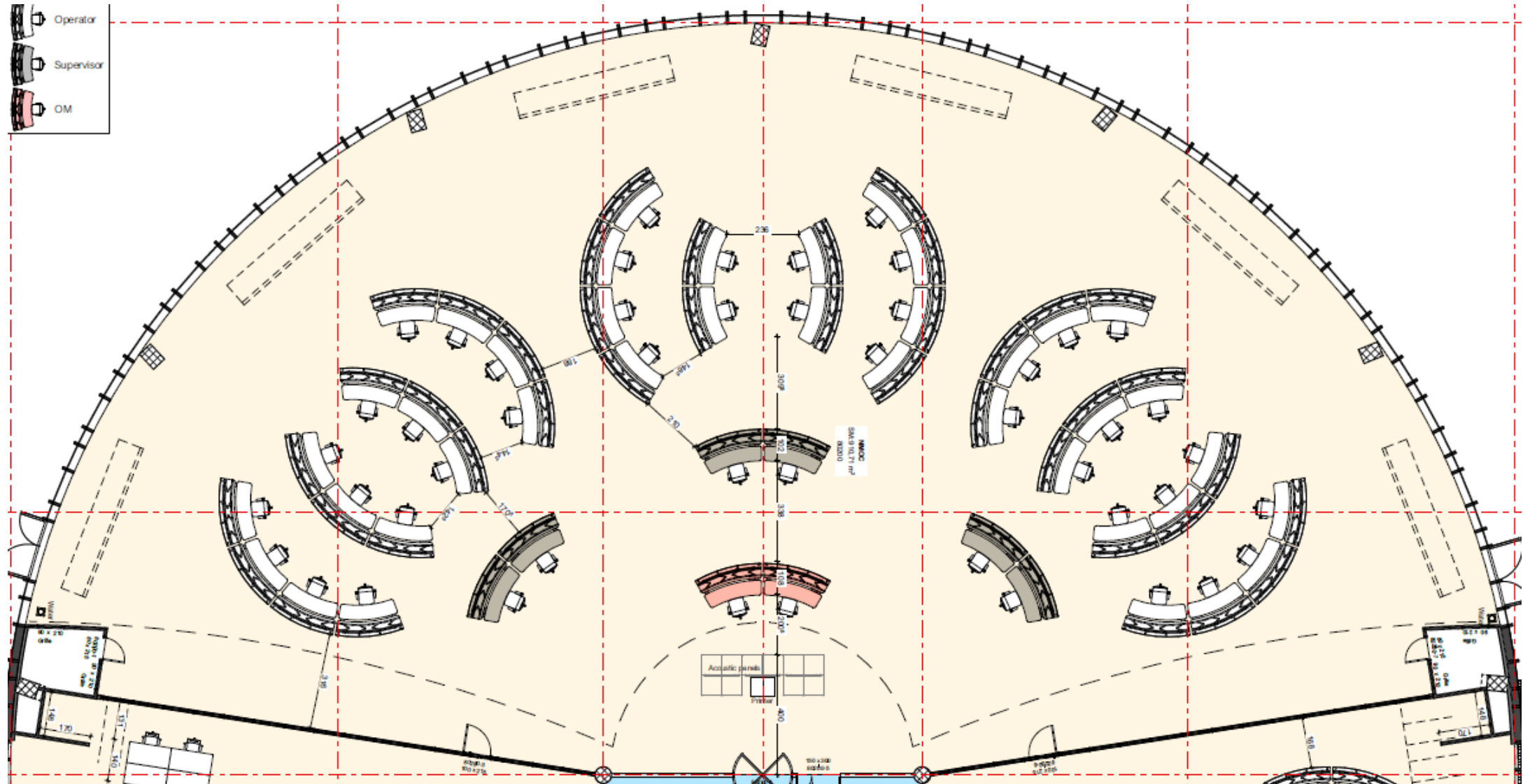
To this:







NMOC layout plan



New Operations Centre



Timelapse



Thank You for your attention

Any Questions?

EUROCONTROL Network Operations and NMOC

Wish you a safe, busy Summer!