

- APOC & Airport Capacity, Planning & Control (ACPC)
- Regular Operations
- Disrupted Operations: sector briefing
- De-icing forecast
- APOC NMOC APOC communication

APOC DEVELOPMENT



2024

AIRPORT CAPCITY,
PLANNING & CONTROL



2020 COVID & 'CORE' SCHIPHOL





2021

START EXTENDED SECTOR COLLABORATION



2019OFFICIAL OPENING WITHIN WTC



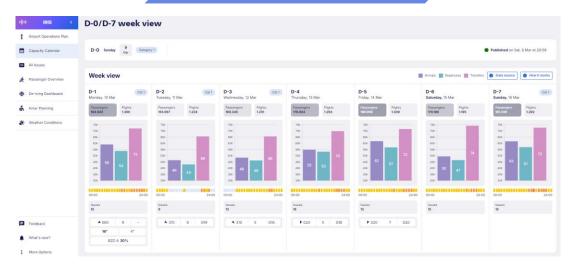
2017START APOC PROGRAMME

AIRPORT CAPACITY, PLANNING & CONTROL



Airport Operations Center (APOC)

Sector (Partner) Management



Performance & Improvement

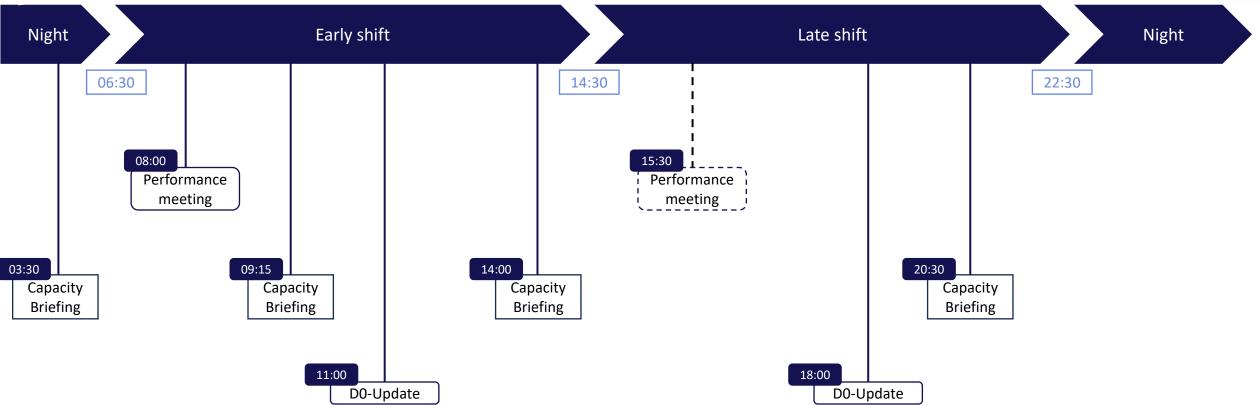


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REGULAR OPERATIONS





APOC PERFORMANCE MEETING







Luchtverkeersleiding Nederland Āir Traffic Control the Netherlands





Koninklijke Marechaussee



















Weather forecast

WEATHER FORECAST



Weather forecast

onday 10 March, 08 UTC till Tuesday 11 March, 21 UTC															UTC CET	Data source	• How	it works		
Last update	: Short term: 06:3!	s итс							Long term: 04:33	итс										
	08	09	10	11	12	13	14	15	18	21	00	03	06	09	12	15	18	21		
Visibility < 5km and/or ceiling ≤ 2000 ft (%)	40	15	5	0	0	0	0	0	0	0	30	65	80	30	0	0	0	5		
visibility < 5km and/or ceiling < 1000 ft (%)	40	15	5	0	0	0	0	0	0	0	30	65	80	30	0	0	0	0		
RVR < 1500 m and/or ceiling ≤ 300 ft (%) BZO A	5	0	0	0	0	0	0	0	0	0	10	50	30	0	0	0	0	0		
RVR < 550 m and/or ceiling < 200 ft (%) BZO B	0	0	0	0	0	0	0	0	0	0	0	20	20	0	0	0	0	0		
RVR < 350 m (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Vind direction (deg)	▶ 020	▶ 040	▶ 050	▲ 060	▲ 060	▶ 050	▶ 050	▶ 040	▶ 020	▶ 020	▶ 020	¥ 010	¥ 360	▼ 350	◀ 330	▲ 310	◀ 320	▲ 30		
Vind speed (kt)	5	8	9	9	9	9	9	9	9	8	8	8	9	10	10	12	10	7		
Gusts (kt)		13	14	14	14	14	14	14	14	13			14	15	15	17	15			
Standard deviation wind direction (deg)	25	25	25	25	25	25	25	25	25	25	15	20	20	15	30	20	20	15		
Standard deviation wind speed (kt)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3		
CB (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Thunderstorm (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Aircraft Induced Lightning (AIL)									No AIL in TM	A										
Temperature (°C)	7	9	11	13	15	15	16	16	10	5	4	3	4	6	8	8	6	4		
Dew point (°C)	3	4	4	5	5	5	4	4	5	3	3	3	3	3	1	0	1	1		
Relative humidity (%)	76	71	62	58	51	51	45	45	71	87	93	100	93	81	61	57	70	81		
Windchill	5	7							8	2	1	-1	0	3	5	5	3	1		
Snow (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Moderate or heavy snow (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Freezing precipitation (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pressure (hPa) (model output)	1002	1002	1002	1002	1002	1002	1002	1002	1003	1004	1004	1004	1003	1004	1004	1003	1003	1003		
	08	09	10	11	12	13	14	15	18	21	00	03	06	09	12	15	18	21		
Remarks by KNMI	Short term									Long term										
Visibility and ceiling	Risk BZO due to VIS.									Risk BZO due to CLD.										
Wind																				
Temperature																				
Precipitation																				

APOC PERFORMANCE MEETING







Luchtverkeersleiding Nederland Air Traffic Control the Netherlands





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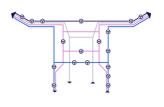




Weather forecast



Expected runway capacity



D0 expectations





D+1 review



D-1 - D-7 outlook

REGULAR OPERATIONS

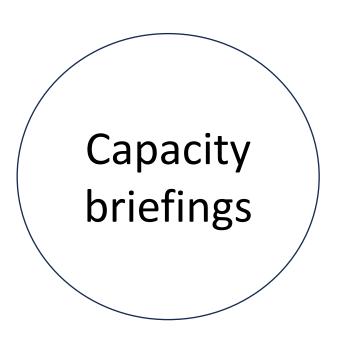




Luchtverkeersleiding Nederland Āir Traffic Control the Netherlands









Weather forecast



Airside OPS (Schiphol)



Expected runway use (ATC)



In- and outbound capacity (ATC)



Aircraft flow



Hub control

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DISRUPTED OPERATIONS: SECTOR BRIEFING





Luchtverkeersleiding Nederland Āir Traffic Control the Netherlands









Weather forecast



Airside OPS (Schiphol)



KLM De-icing expectations



Expected runway use (ATC)



In- and outbound capacity (ATC)

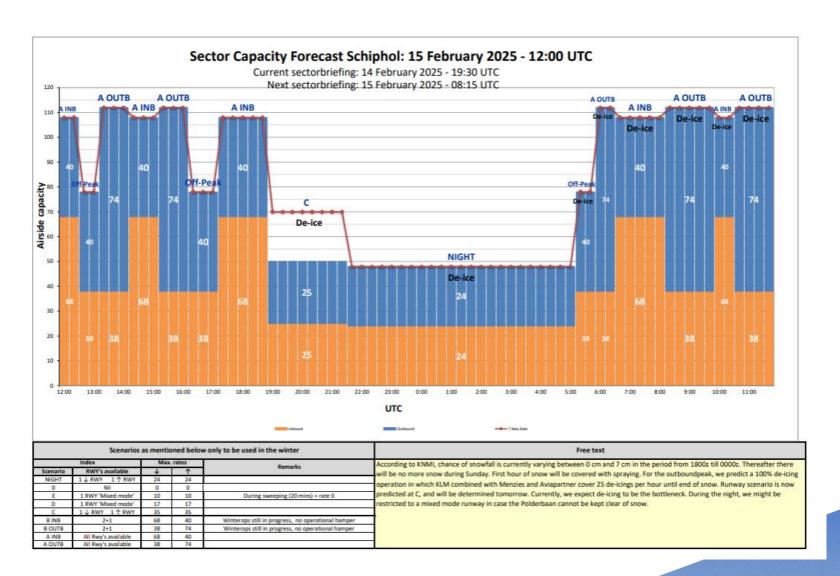


Aircraft flow

Decide the biggest bottleneck per hour and per peak

DISRUPTED OPERATIONS: SECTOR BRIEFING OUTPUT





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DISRUPTED OPERATIONS









De-icing weather forecast



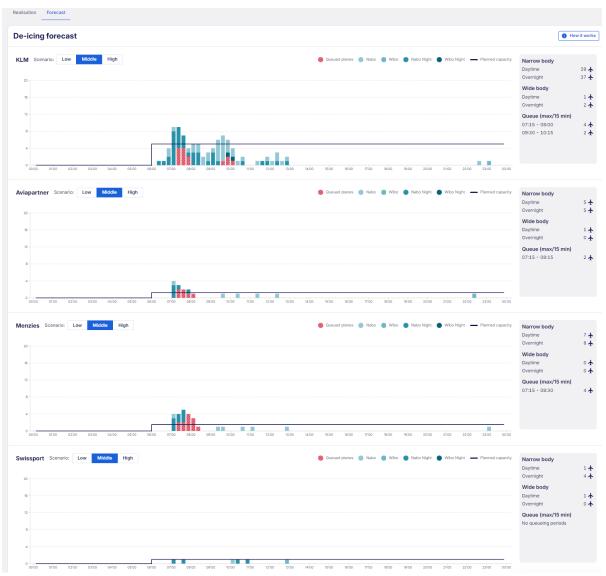
Expected de-icing



Scenario definiton

DISRUPTED OPERATIONS

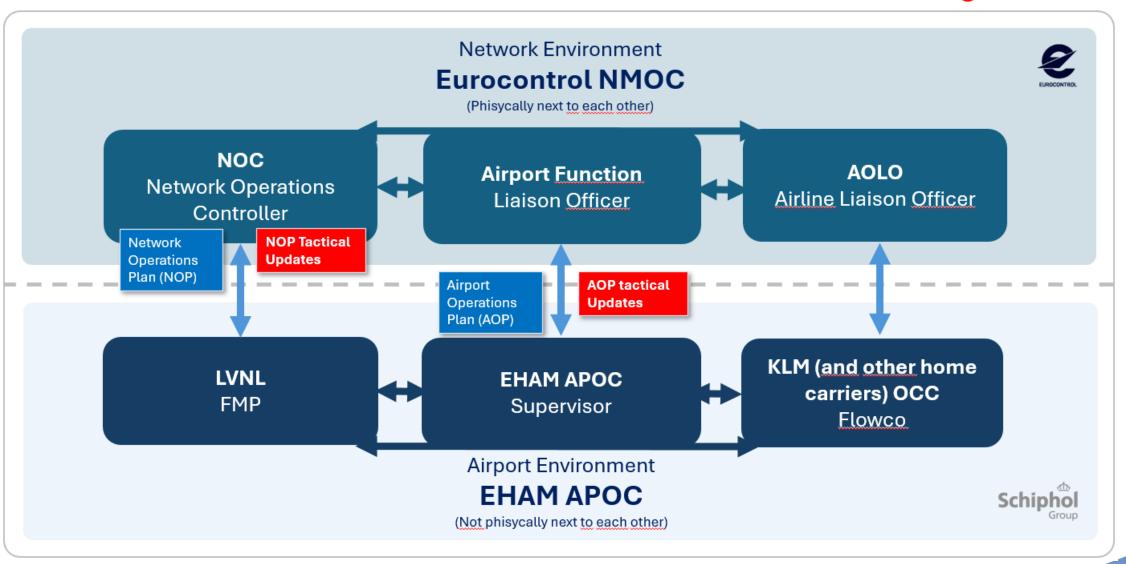




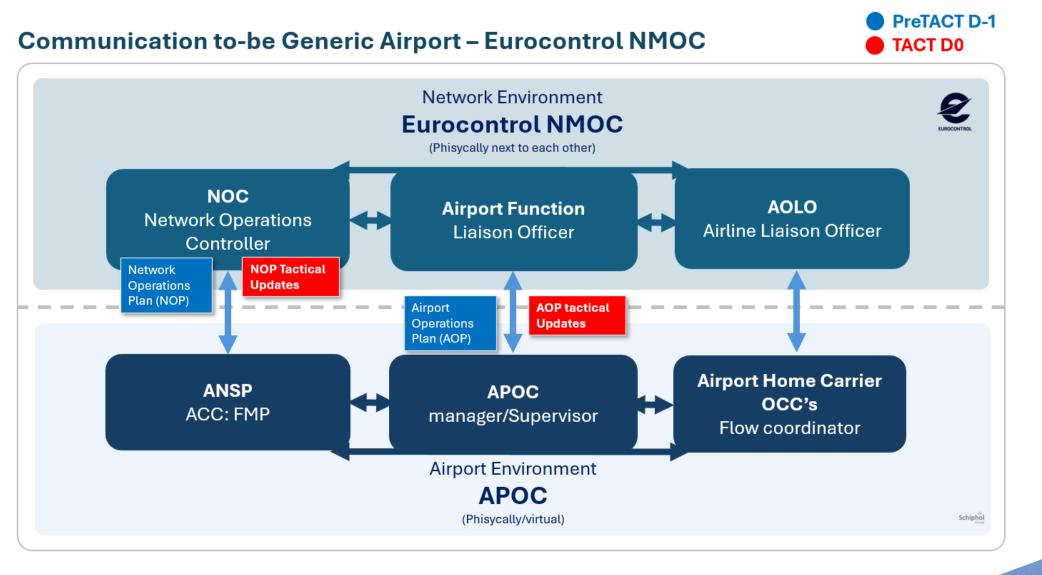
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Communication to-be EHAM – Eurocontrol NMOC





FOR GENERIC USE: APOC - NMOC - APOC COMMUNICATION



APOC. Let's do it together!

APOC | Airport Operations Centre

World Trade Centre, Schiphol

Schiphol