

Capacity declaration Amsterdam Airport Schiphol; winter 2017/2018

Environmental capacity; available number of slots for Commercial Aviation

The number of slots available for landing and take-off operations of Commercial Aviation during the winter season 2017/2018 (October 29, 2017 through March 24, 2018; 21 weeks) is specified in the table below. For the winter season, local time equals UTC + 1 hour.

*Available number of slots for Commercial Aviation; winter season 2017/2018
(October 29, 2017 through March 24, 2018)*

| | Total number of departures and arrivals | Number of night departures and arrivals |
|------------------------|--|--|
| Planning limit (slots) | 185,000 | 10,735 |

The following definitions apply:

Commercial Aviation: Flights performed by an air carrier, providing scheduled flights, programmed charters or ad hoc flights which are open for individual bookings for passengers and/or freight and/or mail, including positioning flights which are directly linked to the operation of these flights.

General Aviation: All aviation except commercial aviation. Including but not limited to business aviation, air taxi operations and technical flights.

Night departure slot: Departure slot in the period 22:40 – 06:59 LT (21:40 – 05:59 UTC)

Night arrival slot: Arrival slot in the period 23:00 – 07:19 LT (22:00 – 06:19 UTC)

Night slot: Either a night departure slot or a night arrival slot

Night movement: Departure or arrival with a runway time in the period 23:00 – 06:59 LT (22:00 – 05:59 UTC)

Planning limit: Total number of slots available for allocation provided that all applicable requirements are met, as determined by the slot coordinator.

The numbers of slots as specified in the above table are based on (i) the upcoming legally binding maximum of 500,000 aircraft movements in Commercial Aviation during an operational year (1st November through 31st October), of which no more than 32,000 are night movements and (ii) the regulation adopted by the state secretary on carrying out an experiment with the limit of 32,000 night movements during operational year 2018.

Nominal operational runway capacity

For slot allocation purposes for both Commercial and General Aviation, the operational runway capacity for the winter season 2017/2018 has been determined as follows:

| ATM mode ¹ | Possible within period from – to (UTC) | Nominal capacity per hour | | Nominal capacity per 20 minutes | |
|------------------------------|--|---------------------------|----------------|---------------------------------|----------------|
| | | IFR Arrivals | IFR Departures | IFR Arrivals | IFR Departures |
| Day; departure peak mode (S) | 06:00 – 20:39 | 36 | 74 | 12 | 25 |
| Day; arrival peak mode (L) | 06:00 – 20:39 | 68 | 38 | 23 | 13 |
| Day; off peak mode (O) | 05:00 - 05:39 | 24 | 30 | 8 | 10 |
| | 05:40 - 05:59 | 24 | 40 | 8 | 14 |
| | 06:00 - 21:39 | 36 | 40 | 12 | 14 |
| | 21:40 – 21:59 | 36 | 25 | 12 | 9 |
| Night mode (N) | 22:00 - 04:59 | 24 | 25 | 8 | 9 |

Coordination of runway capacity will be based on

- Constraints for 20 minutes periods, and
- For periods of equal ATM mode with a minimum duration of one hour – constraints on rolling hours, i.e. each 60 minute interval that occurs within that ATM mode, with a stepsize of 20 minutes, will have a constraint on capacity.

Additional requirements:

- Arrival and departure peak modes should not overlap.
- Each arrival peak mode period shall be separated from a preceding departure peak mode period by an off peak mode period. Between the first departure and arrival peak, the duration of this off peak mode period should be at least 30 minutes. The duration of this off peak mode period between any other departure and arrival peak shall be at least 20 minutes.
- Each departure and arrival peak mode shall have a minimal duration of 40 minutes, except for the first peak mode at 05:00 UTC, which has a minimal duration of 20 minutes.
- Slots should be requested and will be allocated per 5 minutes.

In the bracket list, that forms integral part of this declaration, the number of available arrival and departure slots for any 20 minute interval and per rolling hour is shown. This capacity depends on the operational runway capacity for the different ATM modes and the agreed peak- and off-peak times for the day period and should meet the mentioned additional requirements. The bracket list for the twenty-four hours period, in accordance with the above table, is specified in Attachment 1.

The bracket list will be endorsed together with this capacity declaration.

¹ Departure peak mode: one runway is used for landings, two runways for take-offs. Day arrival and departure procedures are applied.
 Arrival peak mode: two runways are used for landings, one runway for take-offs. Day arrival and departure procedures are applied.
 Off peak mode: one runway is used for landings, one runway for take-offs. Day arrival and departure procedures are applied.
 Night mode: one runway is used for landings, one runway for take-offs. Night arrival and departure procedures are applied.

Additional requirements and conditions

1. The manner and to which degree unused capacity of Winter 2017/2018 may be transferred will be declared in the Capacity Declaration of Summer 2018.

Explanatory remarks

1. It is noted that operational year 2018 should be considered a transition period prior to adoption of the new legislation. Procedures and policies, especially regarding night slots and night movements, may be revised for future capacity declarations.
2. Some supplemental information which is relevant for operators planning operations at Amsterdam Airport Schiphol is provided in Attachment 2.

Attachment 1: Bracket list winter 2017/2018

| Time from [UTC] | Time to [UTC] | # Arrivals | # Departures | # Rolling hour Arr | # Rolling hour Dep |
|-----------------|---------------|------------|--------------|--------------------|--------------------|
| 0:00 | 0:15 | 8 | 9 | - | - |
| 0:20 | 0:35 | 8 | 9 | - | - |
| 0:40 | 0:55 | 8 | 9 | 24 | 25 |
| 1:00 | 1:15 | 8 | 9 | | |
| 1:20 | 1:35 | 8 | 9 | | |
| 1:40 | 1:55 | 8 | 9 | | |
| 2:00 | 2:15 | 8 | 9 | | |
| 2:20 | 2:35 | 8 | 9 | | |
| 2:40 | 2:55 | 8 | 9 | | |
| 3:00 | 3:15 | 8 | 9 | | |
| 3:20 | 3:35 | 8 | 9 | | |
| 3:40 | 3:55 | 8 | 9 | | |
| 4:00 | 4:15 | 8 | 9 | | |
| 4:20 | 4:35 | 8 | 9 | | |
| 4:40 | 4:55 | 8 | 9 | | |
| 5:00 | 5:15 | 8 | 10 | - | - |
| 5:20 | 5:35 | 8 | 10 | - | - |
| 5:40 | 5:55 | 8 | 14 | - | - |
| 6:00 | 6:15 | 12 | 25 | - | - |
| 6:20 | 6:45 | 18 | 20 | - | - |
| 6:50 | 6:55 | 11 | 6 | - | - |
| 7:00 | 7:15 | 23 | 13 | 68 | 38 |
| 7:20 | 7:35 | 23 | 13 | | |
| 7:40 | 7:55 | 23 | 13 | | |
| 8:00 | 8:15 | 23 | 13 | | |
| 8:20 | 8:35 | 12 | 25 | 36 | 74 |
| 8:40 | 8:55 | 12 | 25 | | |
| 9:00 | 9:15 | 12 | 25 | | |
| 9:20 | 9:35 | 12 | 25 | | |
| 9:40 | 9:55 | 12 | 14 | - | - |
| 10:00 | 10:15 | 23 | 13 | - | - |
| 10:20 | 10:35 | 23 | 13 | - | - |
| 10:40 | 10:55 | 12 | 25 | 36 | 74 |
| 11:00 | 11:15 | 12 | 25 | | |
| 11:20 | 11:35 | 12 | 25 | | |
| 11:40 | 11:55 | 12 | 14 | - | - |
| 12:00 | 12:15 | 23 | 13 | 68 | 38 |
| 12:20 | 12:35 | 23 | 13 | | |
| 12:40 | 12:55 | 23 | 13 | | |
| 13:00 | 13:15 | 12 | 25 | 36 | 74 |

| | | | | | |
|-------|-------|----|----|----|----|
| 13:20 | 13:35 | 12 | 25 | | |
| 13:40 | 13:55 | 12 | 25 | | |
| 14:00 | 14:15 | 12 | 14 | - | - |
| 14:20 | 14:35 | 23 | 13 | | |
| 14:40 | 14:55 | 23 | 13 | 68 | 38 |
| 15:00 | 15:15 | 23 | 13 | | |
| 15:20 | 15:35 | 12 | 25 | | |
| 15:40 | 15:55 | 12 | 25 | | |
| 16:00 | 16:15 | 12 | 25 | 36 | 74 |
| 16:20 | 16:35 | 12 | 25 | | |
| 16:40 | 16:55 | 12 | 25 | | |
| 17:00 | 17:15 | 12 | 14 | - | - |
| 17:20 | 17:35 | 23 | 13 | | |
| 17:40 | 17:55 | 23 | 13 | | |
| 18:00 | 18:15 | 23 | 13 | 68 | 38 |
| 18:20 | 18:35 | 23 | 13 | | |
| 18:40 | 18:55 | 23 | 13 | | |
| 19:00 | 19:15 | 12 | 25 | | |
| 19:20 | 19:35 | 12 | 25 | | |
| 19:40 | 19:55 | 12 | 25 | 36 | 74 |
| 20:00 | 20:15 | 12 | 25 | | |
| 20:20 | 20:35 | 12 | 25 | | |
| 20:40 | 20:55 | 12 | 14 | | |
| 21:00 | 21:15 | 12 | 14 | 36 | 40 |
| 21:20 | 21:35 | 12 | 14 | | |
| 21:40 | 21:55 | 12 | 9 | - | - |
| 22:00 | 22:15 | 8 | 9 | | |
| 22:20 | 22:35 | 8 | 9 | 24 | 25 |
| 22:40 | 22:55 | 8 | 9 | | |
| 23:00 | 23:15 | 8 | 9 | | |
| 23:20 | 23:35 | 8 | 9 | - | - |
| 23:40 | 23:55 | 8 | 9 | - | - |

This bracket list winter 2017/2018 resembles the available slots per 20 minutes and per rolling hour, in accordance with the underlying capacity declaration winter 2017/2018 and the current distribution of historical slots. Alternations to the bracket list winter 2017/2018 are possible, provided that it is in accordance with the declaration. The bracket list winter 2017/2018 is part of the declaration. No changes to the bracket list are possible after the endorsement of the final version of this capacity declaration, which will be at least seven days before the IATA Initial Submission Date.

Note that due to technical limitations rolling hours containing the transition to the next day cannot be defined. Therefore only 20 minutes capacities are defined for 23:20-0:40 hours local time.

Attachment 2: Supplemental information

In addition to the capacity limitations, aircraft operators should take into account that the operating restrictions as specified below are effective at Amsterdam Airport Schiphol.

Operating restrictions based on certificated noise levels

1. Aircraft which are certificated in accordance with the noise standards of ICAO Annex 16 Chapter 2:
 - Take-off and landing is not allowed.
2. Aircraft which are certificated in accordance with the noise standards of ICAO Annex 16 Chapter 3, for which the margin of the sum of the three certification noise levels, relative to the sum of the three applicable ICAO Annex 16 Chapter 3 certification noise limits, is not more than 5 EPNdB:
 - New operations are not allowed.
 - For aircraft equipped with engines with bypass ratio ≤ 3 , take-off and landing is not allowed between 18:00 and 07:59 hr. local time (17:00 – 06:59 UTC for winter season).
 - For aircraft equipped with engines with bypass ratio > 3 , it is not allowed to plan take-offs between 23:00 and 06:59 hr. local time (22:00 – 05:59 UTC for winter season).
3. Aircraft which are certificated in accordance with the noise standards of ICAO Annex 16 Chapter 3, for which the margin of the sum of the three certification noise levels, relative to the sum of the three applicable ICAO Annex 16 Chapter 3 certification noise limits, is more than 5 EPNdB:
 - No restrictions.

It is noted that, if required for noise control purposes, the operating restrictions as specified above may be amended.

RNAV 1 (P-RNAV) requirement for all flights to and from Schiphol

The Netherlands requires operational RNAV 1 (P-RNAV) approval for all IFR flights at all times to and from Schiphol. More information can be found in AIC-A 02/11, 19 MAY 11.

Preferred aircraft types

In view of severe noise-related capacity constraints for the night and early morning periods, as well as the need to minimize noise impact on the environment, it is of essential importance that noise of each aircraft movement during night and early morning is as low as possible. Aircraft operators are therefore urged to use the quietest possible aircraft types for night and early morning flights. In addition, in respect of legal limits on aircraft emissions, it is of the utmost importance that aircraft operators use the cleanest possible aircraft for all operations at Amsterdam Airport Schiphol.

It is noted that Amsterdam Airport Schiphol has adopted and will continue to develop a policy to further encourage the use of quieter (and cleaner) aircraft, for instance through its airport charges system which includes reductions and surcharges based on certification noise levels.