

Summer 24 Appendices

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Appendix 1

Runway Scheduling Limits Summer 24

Arrivals Hour (UTC)																		Average	Total	
	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21			
Summer 2023	39	38	40	46	43	40	42	43	40	40	42	40	44	41	39	41	28	40.4	686	
Capacity change RSL1																				
Summer 2024	39	38	40	46	43	40	42	43	40	40	42	40	44	41	39	41	28	40.4	686	

Departures Hour (UTC)																		Average	Total
	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21		
Summer 2023	27	41	44	46	41	45	44	42	45	44	46	42	45	46	45	27	32	41.3	702
Capacity change RSL1			+1														-1		
Summer 2024	27	41	45	46	41	45	44	42	45	44	46	42	45	46	45	27	31	41.3	702

Appendix 2

Additional Runway Scheduling Constraints Summer 24

Arrivals

- 1 Within each hour, and having regard to historic rights, no more than 5 arrivals should be scheduled in each 5 minute period in the hour.
- 2 The schedule, having regard to historic rights, will be co-ordinated to a 20 minute slot constraint, offset by 10 minutes. No more than 15 arrivals should be scheduled in each 20 minute period.
- 3 Only Airlines with a historic allocation of Night Quota are allowed to schedule arrivals at 0510 or 0515 (UTC).

Departures

- 1 Within each hour, and having regard to historic rights, no more than 5 departures should be scheduled in each 5 minute period in the hour.
- 2 The schedule, having regard to historic rights, will be co-ordinated to a 20 minute slot constraint, offset by 10 minutes. No more than 16 departures should be scheduled in each 20 minute period.
- 4 Each hour, and having regard to historic rights, will be coordinated to an offset rolling hour. The hour is offset by 10 minutes and rolls through the hour every 20 minutes. No more than 45 departures will be scheduled in any rolling hour between 0500 and 2155 (UTC), except between 1550-1805 (UTC) when the rolling hour capacity will be 46.

Time (UTC)	0500 - 1545	1550 - 1805	1810 - 2155
Capacity	45	46	45

Arrivals and Departures

- 1 Ad Hoc slots will be unavailable between 0430 and 0800 (UTC).
- 2 Ad-Hoc slot allocation will be suspended when weather conditions deteriorate. (Exceptions, contained in ANNEX 3 of Local Rule 2, will be allowed to operate during the suspension.)

Appendix 3

Heathrow Terminal Scheduling Limits – Summer 24

Terminal	A / D	Constraint	S24 Coordination Limit
T2	D	Combined 1 hour	3,000
		Combined 3 hours	8,200
	A	International & CTA 1 hour	3,900
		International & CTA 2 hours	6,500
		Domestic 1 hour	600
Terminal	A / D	Constraint	S24 Coordination Limit
T3	D	International 1 hour	3,700
		International 3 hours	8,300
	A	International 1 hour	4,650
		International 2 hours	7,100
Terminal	A / D	Constraint	S24 Coordination Limit
T4	D	International 1 hour	2,200
		International 3 hours	4,500
	A	International 1 hour	2,500
		International 2 hours	4,300
Terminal	A / D	Constraint	S24 Coordination Limit
T5	D	Combined 1 hour	5,000
	A	International 1 hour	4,500
		Domestic 1 hour	1,200

Following consultation at the Terminal and Stands Limits (TSL) Working Group, the S24 Terminal limits have been agreed.

Check-in Limits

Terminal 2

Zone	Desks	Declaration
A	32	32
B	26	26
C	12	12
D	46	46

Terminal 3

Zone	Desks	Declaration
A	33	33
B	30	30
C	26	26
D	26	26
E	26	26
F	26	26
G	28	28

Terminal 4

Zone	Desks	Declaration
A	14	14
B	5	5
C	26	26
D	16	16
E	16	16
F	26	26
G	10	10
H	14	14

Terminal 3 Integrated Baggage System Limit

Coordination Limit: 33 laterals
 Upper Limit: 40 laterals

Terminal 4 Baggage System Limits

Ancillary Baggage Facility (ABF)	Warning Limit:	44 MUPs
	Upper Limit:	56 MUPs
Main Baggage Hall (MBH)	Warning Limit:	80 MUPs
	Upper Limit:	92 MUPs
Transfer Baggage Facility (TBF)	Single Limit	10 MUPs

Appendix 4

Load Factors Summer 24

S24 Declared	T2 Domestic	T2 CTA & International	T2 Combined	T3 International		T4 International		T5 Domestic	T5 International (& Domestic Departure)	
Day of Week	A	A	D	A	D	A	D	A	A	D
1	89%	88%	89%	87%	91%	90%	90%	87%	87%	86%
2	83%	85%	87%	85%	90%	90%	88%	83%	86%	83%
3	80%	85%	87%	83%	91%	86%	88%	82%	86%	83%
4	81%	86%	91%	86%	89%	89%	90%	80%	87%	85%
5	85%	87%	90%	90%	92%	89%	90%	83%	89%	88%
6	86%	90%	92%	90%	93%	91%	90%	87%	90%	89%
7	89%	91%	91%	90%	92%	90%	89%	85%	89%	88%

Appendix 5

Stand Limits Summer 24

Table 5.1

Total Physical Stand Supply - for information only, this is NOT the S24 Declared Stands

Summer 24										
Apron	F	E	E (747-400)	E (777-200)	D (767-300)	D (757)	C (A321)	C (A319)	B	TOTAL
T2	12	9	0	2	0	0	14	0	0	37
T3	14	20	1	5	1	1	3	0	0	45
T4	6	13	6	2	2	0	4	1	0	34
T5	15	15	13	0	4	0	15	1	0	63
Total exc. Cargo	47	57	20	9	7	1	36	2	0	179
CARGO	3	5	2	2	0	0	0	0	0	12
Total inc. Cargo	50	62	22	11	7	1	36	2	0	191

- MARS – main centrelines counted except MARS stands which are predominately used by narrow body aircraft and therefore declared as 2 centre-lines, e.g.:
 - Stand 218 declared as 218L & 218R
 - Stand 221 declared as 221L & 221R
- MCA - allocated based on current predominate usage requirement:
 - Stands 415 – 420 declared as 3 x C (A321) and 1 x C (319)
 - Stands 449 – 452 declared as 2 x E
- Stands 701 & 702 – no live movements

Table 5.2

Stand outages for construction work

Summer 24 Stand Outages for Construction Work										
Apron	F	E	E (747-400)	E (777-200)	D (767-300)	D (757)	C (A321)	C (A319)	B	TOTAL
T2	0	0	0	0	0	0	0	0	0	0
T3	-1	0	0	0	0	0	0	0	0	-1
T4	0	-1	0	0	0	0	0	0	0	-1
T5	0	0	0	0	0	0	0	0	0	0
Total exc. Cargo	-1	-1	0	0	0	0	0	0	0	-2
CARGO	0	0	0	0	0	0	0	0	0	0
Total inc. Cargo	-1	-1	0	0	0	0	0	0	0	-2

- Stand 209 (allocated to T3 for coordination purposes) is expected to close from April 2025 to accommodate planned demolition works on the North end of the Terminal 1 building.
- Stand 455 removed from S24 declaration as stand is no longer used for aircraft parking.

Table 5.3

Stand downgrades for project work and/or operational resilience

Summer 24 Stand Downgrades for Projects or Ops. Resilience										
Apron	F	E	E (747-400)	E (777-200)	D (767-300)	D (757)	C (A321)	C (A319)	B	TOTAL
T2	-3	1	0	0	0	0	0	0	0	-2
T3	-7	3	3	0	0	0	0	0	0	-1
T4	-2	2	0	0	0	0	0	0	0	0
T5	-3	2	0	0	0	0	0	0	0	-1
Total exc. Cargo	-15	8	3	0	0	0	0	0	0	-4
CARGO	-1	1	0	0	0	0	0	0	0	0
Total inc. Cargo	-16	9	3	0	0	0	0	0	0	-4

Remote Code F stands are downgraded to Code E3 to prevent A380 remotes

- T2:** Stands 255, 258 Code F remotes restricted to Code E3
 Stand 254 removed due to closure to accommodate ongoing VCF project
 1 E stand removed to accommodate ongoing Pre-Conditioned Air (PCA) replacement during S24
- T3:** Stands 210, 212, 213 Code F remotes restricted to E3
 318 and 327 restricted to E2(747-400)
 Stands 357, 594, 595, 596 Code F remotes restricted to Code E3
 1 E stand removed to accommodate ongoing PCA replacement during S24
- T4:** Stands 453 and 454 Code F remotes restricted to Code E3
- T5:** Stands 558, 575, 576 Code F remotes restricted to Code E3
 One code E stand removed to accommodate jetty replacement work
 Impacting one stand at a time during S23
- Cargo:** Stand 608 restricted (code F to code E3)

Table 5.4

Additional stand outages due to operational issues e.g., maintenance, stand cleaning, off slot performance, etc.

Summer 24 Additional Stand Outages, e.g. Maint, Off-slot Perf.										
Apron	F	E	E (747-400)	E (777-200)	D (767-300)	D (757)	C (A321)	C (A319)	B	TOTAL
T2	-1	-1	0	0	0	0	-2	0	0	-4
T3	-1	-2	-1	0	0	0	0	0	0	-4
T4	-1	-1	0	-1	0	0	-1	0	0	-4
T5	-1	-2	0	0	0	0	-1	0	0	-4
Total exc. Cargo	-4	-6	-1	-1	0	0	-4	0	0	-16
CARGO	0	-5	0	-2	0	0	0	0	0	-7
Total inc. Cargo	-4	-11	-1	-3	0	0	-4	0	0	-23

Additional stand outage declaration maintains a similar level of contingency to the S23/W23 declarations:

- 1 Pier Served Code F stand removed in each terminal
- Contingency stands removed for operational issues
- **T4:** Stand 453 removed for T3 south-side towing
- **Cargo:** Requirement as declared for S23/W23. Stands 601-606 removed due to no fuel, reverse parking or GA use. Stand 616 for resilience.

Table 5.5

S24 Total Stands Declared for Schedule Coordination

Summer 2024										
Apron	F	E	E (747-400)	E (777-200)	D (767-300)	D (757)	C (A321)	C (A319)	B	TOTAL
T2	8	9	0	2	0	0	12	0	0	31
T3	5	21	3	5	1	1	3	0	0	39
T4	3	13	6	1	2	0	3	1	0	29
T5	11	15	13	0	4	0	14	1	0	58
Total exc. Cargo	27	58	22	8	7	1	32	2	0	157
CARGO	2	1	2	0	0	0	0	0	0	5
Total inc. Cargo	29	59	24	8	7	1	32	2	0	162

Note: GA capacity is declared separately (see Appendix 6)

Appendix 6

Additional Constraints and Explanatory Notes

S24 Runway Scheduling Limits

The RSL Working Group has agreed to re-consider any flex requests that were considered but not accepted at the RSL meeting, prior to the circulation of the SAL (Schedule Airline Listing) in late October and again after the IATA conference in early December 2023. These wish lists would all have been received by ACL before the first RSL meeting.

New or Retimed Slots After 22:40 (local)

In order to minimise the unplanned use of scarce night allocation movements due to delayed operations, no new or retimed services shall be allocated slots later than 22:40 (local) without a proportionate allocation of night quota - if such quota is available for allocation. If no such quota is available, relative to the forecast use for the airline, then no slots shall be allocated.

ATM Cap

A cap on the annual number of Air Transport Movements (ATMs) at Heathrow of 480,000 was introduced as a planning condition for the development of T5. In order not to exceed this level, a limit on the number of slots that may be allocated for air transport movements during the Summer 24 season, is set at 9,686 per week.

Additionally, after the slot hand back deadline in, the total seasonal number of air transport movements allocated should not exceed 283,357.

Night Flight Restriction

Aircraft of Quota Count 4 (QC4) will not be scheduled to operate between 23:30 and 06:00 (local) i.e., in the night quota period.

(This applies to Scheduled times only and does not apply to flights which have been delayed into the night period.)

Voluntary Agreement on Night Flights

The informal voluntary agreement between Heathrow and the Heathrow airlines regarding night flights is:

- Early morning arrivals will not land before 04:30 (local).

(This does not apply to arrivals delayed from the day before. However, if they have been subject to such severe delays that a further delay to ensure that they arrive after 04:30 would make little difference, then the Airside Operations Duty Manager may decide to refuse permission for an arrival before 04:30.)

- Cargo flights will not be scheduled to operate between 23:30 and 06:00 (local).

(This applies to Scheduled times only and does not apply to flights which have been delayed into the night period.)

Terminal Declarations

As throughput increases, it becomes increasingly difficult to encapsulate the complicated nature of each operational/facility constraint within a simple declared capacity limit for each terminal. We appreciate your continued cooperation in assessing the full impact of scheduling changes, notably new entrant airlines and significant changes from existing carriers, including slot exchanges.

Following consultation at the Terminal and Stands Limits (TSL) Working Group, the S24 Terminal limits have been agreed.

Heathrow will continue to declare limits for the Terminals 3 and 4 Baggage Systems.

Heathrow will continue to declare limits for check-in in Terminals 2, 3 and 4.

A380 Reclaim Belts

Heathrow has several A380 flights operating at the airport. Although there is variation in the seat capacity and transfer volumes of the A380 flights, in general a larger reclaim belt is required for an A380 operation.

With agreement at the TSL Working Group, Heathrow declares a limit on the number of A380 flights arriving within 60 minutes in Terminals 2, 3 and 4.

Based upon our assessments as to what is suitable for an A380 operation, we declare the following arrivals reclaim capacity for A380 operations, in a rolling hour:

Terminal	Reclaim Belts declared suitable for A380 operations
T2	6
T3	3
T4	3

Any breaches of this limit should be referred to Heathrow Airport to assess the individual flight to take account of seat capacity and transfer volumes.

Transit Flights

Transit flights require all passengers to be processed through transfer security unless held in transit gate lounges. Due to the resulting peak passenger flows this has a disproportional impact on transfer security capacity. It is, therefore, important to separate transit flights to enable them to use the limited transit gate facilities or to limit the impact on transfer security.

Therefore, only one transit flight should be scheduled in each terminal within any 90-minute period. This limit is to be enforced for new transit flights.

Stands

Stand capacity is a critical constraint at Heathrow. Modelled stand demand versus available supply will continue to constitute a formal co-ordination parameter for each

apron for S24. Stand supply needs to be assessed at terminal level on all campuses. Where any breaches of the terminal stand declarations occur, we request that ACL either seek airline scheduling adjustments to resolve any overages, or refer the overage to Heathrow for assessment, to determine if a solution can be found within the constraints of the apron concerned.

As agreed at the TSL meeting in September 2023 remote stands 209, 210, 211, 212 and 213 will be allocated to Terminal 3 for coordination purposes.

In addition, remote stands 590, 591 and 592 will be allocated to Terminal 5 for coordination purposes.

Modelling of capacity at Heathrow has shown that to ensure aircraft flow is maintained effectively it will be necessary to use other terminals' stands for aircraft from Terminal 3. This will increase the number of towing movements which in turn may cause congestion on associated taxiways. In mitigation, we must ensure as part of the co-ordination process that the likelihood of this is minimised, and not exacerbated, by changes to slot allocations or timing.

We ask you to be mindful of the need to minimise carriers' ground time in the peak period and give this a high priority in the allocation of available runway slots.

Domestic, CTA, International Stand Capacity

There is a need for the schedule coordination process to consider domestic, CTA, and international stands capacity individually.

As previously, we request that ACL carry out high level assessments that differentiate domestic, CTA, and international demand against capacity in Terminals 2 and 5. The assessment is to be carried out at Initial Coordination, after the IATA Conference, and after the slot hand-back deadline. The results are to be shared with Heathrow. This will enable a trigger for early notification of issues and prompt any actions required to address the problems, including potential re-timing of slots.

Aircraft Parking at Heathrow Airport Outside Scheduled Turnaround Periods

It has become apparent that several away based carriers have elected to cancel flights during planned holiday periods and park their aircraft at Heathrow outside of their scheduled turnaround periods. This practice, in conjunction with the current programme of construction works limiting stand capacity, causes congestion at the airport and has negative impact on airport operations over an extended period.

Until construction works affecting stand capacity are complete airlines should not leave aircraft parked at Heathrow Airport outside of scheduled turnaround periods. (See also General Aviation below.)

New / Unproven Aircraft Types

To avoid potential operational issues, we request that ACL refers to Heathrow for

individual review any applications for aircraft to operate in any terminal / facility which they have not operated previously; examples of which are:

- Boeing 777-X

General Aviation (GA) Stand Capacity

To ensure GA stand demand does not exceed supply, a separate stand capacity limit for GA is required.

Declarations will make a distinction between GA stands capable of servicing live movements and stands capable of parking tows only. Assessments carried out should therefore be able to distinguish between stand demand that requires live stands and demand that can be decanted to parking only stands.

5 stands are required for GA parking and 2 for GA live movements

- GA parking = 3 x narrow body and 2 x wide body
- GA live = 2 x Code C or 1 x Code E3

Summer 24 - GA									
	F	E3	E2 (747-400)	E (777-200)	D (767-300)	D (757)	C (A321)	C (A319)	Total
Live*		1					2		2x code C or 1x code E3
Parking Only		2					3		5

**Stands 457 (L&R) will be used for live GA movements and can either be used by 2 x Code C A321 or 1 x Code E3. For red carpet movements Stand 458 (E3) can be used. Live aircraft that are not using the red carpet, will most likely arrive/depart from Stand 456 or another 450 stand.*

GA stand declarations only impact cargo stands capacity i.e., cargo is reduced by 3 narrow body stands. Other stands declared as GA were already previously excluded from capacity declarations.

Peak periods will require the following restrictions to GA Parking (only applicable for Winter Seasons):

- Thanksgiving – no GA Parking (live declaration unaffected) from 2 days before until 2 days after.
- Christmas – no GA Parking (live declaration unaffected) 21 - 27 December inclusive.
- New Year – no GA Parking (live declaration unaffected) 29 December - 2 January inclusive.