

Gatwick Airport Scheduling Declaration Winter 2022/23

List of attachments:

1. Runway scheduling limits
2. Additional runway-scheduling constraints
3. Stand Capacity Limit
4. Terminal scheduling limits
5. Load factors to be used for terminal scheduling calculations

Appendix 1

Gatwick Airport Scheduling Declaration
Winter 2022/23

Hourly Runway Scheduling Limits

W22/23 Declaration

Mon-Fri

Start of UTC Hour	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	15hr	17hr
Total Limit	38	50	55	48	46	50	47	47	45	41	45	46	48	48	44	39	30	698	767
Arrival Limit	15	25	27	20	22	26	26	24	25	25	22	25	27	28	26	28	27	363	418
Departure Limit	28	33	32	32	26	29	27	28	26	24	28	27	26	26	22	18	15	414	447

Saturday

Start of UTC Hour	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	15hr	17hr
Total Limit	45	49	55	48	50	53	52	49	49	44	42	40	40	40	38	34	25	694	753
Arrival Limit	15	24	27	23	27	27	27	25	23	26	23	25	27	28	24	22	23	371	416
Departure Limit	34	35	29	28	28	28	28	28	28	25	26	20	20	20	20	20	17	397	434

Sunday

Start of UTC Hour	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	15hr	17hr
Total Limit	38	50	50	46	46	50	51	52	48	45	44	50	52	46	46	40	39	714	793
Arrival Limit	17	24	24	22	24	27	26	27	24	26	23	27	27	27	27	27	35	372	434
Departure Limit	28	37	31	29	28	25	27	29	29	22	29	25	30	28	22	20	15	419	454

Saturdays: +1T in 0600 and +1T in 1200,

Capacities will be reviewed prior to SAL to determine whether any capacity flexes are required to facilitate coordination subject to approval of the Coordination Committee.

Note that S21 limits may apply over the October half term period at the start of the Winter season and some capacity overages may be agreed over the Christmas period. Details to be agreed post slot handback deadline.

Appendix 2

Gatwick Airport Scheduling Declaration Winter 2022/23

Additional Runway Constraints

- 1 Having regard to historic rights, the following constraints should apply;
- 2 15 minute limits are set with the following offset (55-05, 10-20, 25-35, 40-50) so as to smooth the demand across the hour while providing sufficient flex between 15 minute intervals within the hour to facilitate coordination. The 15 minute limits are specified in the following tables.
- 3 An additional limit of 5 departure atms and/or 4 arrival atms per 5 minutes is applied in order to smooth the 5 minute demand within the 15 minute constraint.
- 4 Due to the limited code F parking capacity at Gatwick, all A380 slot requests will in the first instance be referred to GAL via ACL for approval. Due to the increased runway separation times, an A380 arrival requires 2 x 15 minute arrival slots and an A380 departure requires 2 x 15 minute departure slots but in either case only one slot is used on totals.

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Weekday 15 Minute Limits

	R15 Period	Arrival	Departure	Total
05:00	0455-0505	6	6	10
05:00	0510-0520	6	6	10
05:00	0525-0535	6	6	10
05:00	0540-0550	6	6	10
06:00	0555-0605	5	8	10
06:00	0610-0620	5	8	10
06:00	0625-0635	5	8	10
06:00	0640-0650	5	8	10
07:00	0655-0705	7	9	14
07:00	0710-0720	7	9	14
07:00	0725-0735	7	9	14
07:00	0740-0750	7	9	14
08:00	0755-0805	8	8	14
08:00	0810-0820	7	9	14
08:00	0825-0835	8	8	14
08:00	0840-0850	7	9	14
09:00	0855-0905	7	8	14
09:00	0910-0920	6	9	13
09:00	0925-0935	6	8	13
09:00	0940-0950	6	9	13
10:00	0955-1005	7	7	12
10:00	1010-1020	6	8	13
10:00	1025-1035	7	7	12
10:00	1040-1050	6	8	13
11:00	1055-1105	8	7	13
11:00	1110-1120	7	8	13
11:00	1125-1135	8	7	13
11:00	1140-1150	7	8	13

	R15 Period	Arrival	Departure	Total
12:00	1155-1205	7	7	13
12:00	1210-1220	7	8	13
12:00	1225-1235	7	7	13
12:00	1240-1250	7	8	13
13:00	1255-1305	7	7	13
13:00	1310-1320	7	8	13
13:00	1325-1335	7	7	13
13:00	1340-1350	7	8	13
14:00	1355-1405	7	7	12
14:00	1410-1420	7	7	12
14:00	1425-1435	7	7	12
14:00	1440-1450	7	7	12
15:00	1455-1505	7	6	11
15:00	1510-1520	7	7	11
15:00	1525-1535	7	6	11
15:00	1540-1550	7	7	11
16:00	1555-1605	6	8	12
16:00	1610-1620	6	7	12
16:00	1625-1635	6	8	12
16:00	1640-1650	6	7	12
17:00	1655-1705	7	7	13
17:00	1710-1720	7	7	12
17:00	1725-1735	7	7	13
17:00	1740-1750	7	7	12
18:00	1755-1805	8	7	13
18:00	1810-1820	7	7	13
18:00	1825-1835	8	7	13
18:00	1840-1850	7	7	13

	R15 Period	Arrival	Departure	Total
19:00	1855-1905	8	7	13
19:00	1910-1920	7	7	13
19:00	1925-1935	8	7	13
19:00	1940-1950	7	7	13
20:00	1955-2005	7	6	11
20:00	2010-2020	7	6	12
20:00	2025-2035	7	6	11
20:00	2040-2050	7	6	12
21:00	2055-2105	8	5	10
21:00	2110-2120	8	5	11
21:00	2125-2135	8	5	10
21:00	2140-2150	8	5	11
22:00	2155-2205	8	5	10
22:00	2210-2220	8	5	11
22:00	2225-2235	8	5	10
22:00	2240-2250	8	5	11
23:00	2255-2305	6	6	10
23:00	2310-2320	6	6	10
23:00	2325-2335	6	6	10
23:00	2340-2350	6	6	10
23:00	2355-0450	6	6	10

15 minute constraints unchanged from W22 will be reviewed prior to SAL

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Saturday 15 Minute Limits

	R15 Period	Arrival	Departure	Total
05:00	0455-0505	6	6	10
05:00	0510-0520	6	6	10
05:00	0525-0535	6	6	10
05:00	0540-0550	6	6	10
06:00	0555-0605	7	9	11
06:00	0610-0620	7	9	12
06:00	0625-0635	7	9	11
06:00	0640-0650	7	9	12
07:00	0655-0705	7	9	14
07:00	0710-0720	7	9	14
07:00	0725-0735	7	9	14
07:00	0740-0750	7	9	14
08:00	0755-0805	8	8	14
08:00	0810-0820	7	7	14
08:00	0825-0835	8	8	14
08:00	0840-0850	7	7	14
09:00	0855-0905	7	8	14
09:00	0910-0920	7	7	12
09:00	0925-0935	6	8	13
09:00	0940-0950	7	7	12
10:00	09:55-1005	8	8	13
10:00	1010-1020	7	7	13
10:00	1025-1035	8	8	13
10:00	1040-1050	7	7	13
11:00	1055-1105	8	8	14
11:00	1110-1120	7	7	14
11:00	1125-1135	8	8	14
11:00	1140-1150	7	7	14

	R15 Period	Arrival	Departure	Total
12:00	1155-1205	8	8	14
12:00	1210-1220	7	7	13
12:00	1225-1235	8	8	14
12:00	1240-1250	7	7	13
13:00	1255-1305	7	8	13
13:00	1310-1320	7	7	13
13:00	1325-1335	7	8	13
13:00	1340-1350	7	7	13
14:00	1355-1405	6	8	13
14:00	1410-1420	7	7	13
14:00	1425-1435	6	8	13
14:00	1440-1450	7	7	13
15:00	1455-1505	7	7	12
15:00	1510-1520	7	7	11
15:00	1525-1535	7	7	12
15:00	1540-1550	7	7	11
16:00	1555-1605	6	7	11
16:00	1610-1620	7	7	11
16:00	1625-1635	6	7	11
16:00	1640-1650	7	7	11
17:00	1655-1705	7	6	10
17:00	1710-1720	7	6	11
17:00	1725-1735	7	6	10
17:00	1740-1750	7	6	11
18:00	1755-1805	7	6	10
18:00	1810-1820	7	6	11
18:00	1825-1835	7	6	10
18:00	1840-1850	7	6	11

	R15 Period	Arrival	Departure	Total
19:00	1855-1905	8	6	10
19:00	1910-1920	7	6	11
19:00	1925-1935	8	6	10
19:00	1940-1950	7	6	11
20:00	1955-2005	6	6	10
20:00	2010-2020	7	6	10
20:00	2025-2035	6	6	10
20:00	2040-2050	7	6	10
21:00	2055-2105	6	6	10
21:00	2110-2120	7	6	10
21:00	2125-2135	6	6	10
21:00	2140-2150	7	6	10
22:00	2155-2205	6	6	10
22:00	2210-2220	7	6	10
22:00	2225-2235	6	6	10
22:00	2240-2250	7	6	10
23:00	2255-2305	6	6	10
23:00	2310-2320	6	6	10
23:00	2325-2335	6	6	10
23:00	2340-2350	6	6	10
23:00	2355-0450	6	6	10

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Sunday 15 Minute Limits

	R15 Period	Arrival	Departure	Total
05:00	0455-0505	6	6	10
05:00	0510-0520	6	6	10
05:00	0525-0535	6	6	10
05:00	0540-0550	6	6	10
06:00	0555-0605	6	7	10
06:00	0610-0620	6	8	10
06:00	0625-0635	6	7	10
06:00	0640-0650	6	8	10
07:00	0655-0705	7	10	13
07:00	0710-0720	6	10	12
07:00	0725-0735	7	10	13
07:00	0740-0750	6	10	12
08:00	0755-0805	7	9	14
08:00	0810-0820	6	8	13
08:00	0825-0835	7	9	14
08:00	0840-0850	6	8	13
09:00	0855-0905	6	8	12
09:00	0910-0920	6	8	12
09:00	0925-0935	6	8	12
09:00	0940-0950	6	8	12
10:00	0955-1005	7	7	12
10:00	1010-1020	6	8	12
10:00	1025-1035	7	7	12
10:00	1040-1050	6	8	12
11:00	1055-1105	8	7	13
11:00	1110-1120	7	8	14
11:00	1125-1135	8	7	13
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12:00	1225-1235	8	7	14
12:00	1240-1250	7	8	13
13:00	1255-1305	7	9	14
13:00	1310-1320	7	8	13
13:00	1325-1335	7	9	14
13:00	1340-1350	7	8	13
14:00	1355-1405	7	8	12
14:00	1410-1420	6	8	13
14:00	1425-1435	7	8	12
14:00	1440-1450	6	8	13
15:00	1455-1505	7	6	11
15:00	1510-1520	7	6	12
15:00	1525-1535	7	6	11
15:00	1540-1550	7	6	12
16:00	1555-1605	7	8	12
16:00	1610-1620	6	8	12
16:00	1625-1635	7	8	12
16:00	1640-1650	6	8	12
17:00	1655-1705	8	7	13
17:00	1710-1720	7	7	13
17:00	1725-1735	8	7	13
17:00	1740-1750	7	7	13
18:00	1755-1805	8	8	14
18:00	1810-1820	7	8	13
18:00	1825-1835	8	8	14
18:00	1840-1850	7	8	13

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19:00	1910-1920	7	8	12
19:00	1925-1935	8	7	12
19:00	1940-1950	7	8	12
20:00	1955-2005	8	6	12
20:00	2010-2020	7	6	12
20:00	2025-2035	8	6	12
20:00	2040-2050	7	6	12
21:00	2055-2105	8	6	11
21:00	2110-2120	7	6	10
21:00	2125-2135	8	6	11
21:00	2140-2150	7	6	10
22:00	2155-2205	10	6	10
22:00	2210-2220	9	6	11
22:00	2225-2235	10	6	10
22:00	2240-2250	9	6	11
23:00	2255-2305	7	6	10
23:00	2310-2320	6	6	10
23:00	2325-2335	6	6	10
23:00	2340-2350	6	6	10
23:00	2355-0450	6	6	10

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Appendix 3

Gatwick Airport Scheduling Declaration Winter 2022/23 Stand Capacity Limit

ACL will apply the stand occupancy calculator to assess spare capacity against stand provision. This will be applied to overall provision (pier served and remote) by stand size and to pier served provision by Terminal and stand size.

The model will be calibrated against operational stand plans and limits set on spare capacity such that when the limit is breached, the slot will be referred to GAL airfield operations for approval.

Parking Position Availability

South Terminal			
Stands		Departure Gates	
Code C	38 Code C equivalent	Pier served	31
Code E	16	Coaching	4

North Terminal			
Stands		Departure Gates	
Code C	39 (<i>3 removed for Pier 6 works</i>)	Pier served	<i>Oct-Feb: 34 (2 removed for Gate 55 works)</i> March 23: 36
Code E	15 (<i>2 removed for Pier 6 Works</i>)	Coaching	10
Code F	1		

Remote Parking			
Stands			
Code C	61 Code C equivalent		
Code F	2		

Note that the code C equivalent includes full use of MCA (Multi Centreline Apron) capability. The number of MCA positions available at any one time will depend on how many are blocked by wide body aircraft on stand.

Appendix 4

Gatwick Airport Scheduling Declaration
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Terminal Scheduling Limits

Constraint		Proposed W22/23 Scheduling Limit
ST Departures	Rolling hourly every 30 mins	3,600
	Rolling 2-hourly every 30 mins	7,000
ST Arrivals	International Rolling hourly every 30 mins	3,350
	Domestic Rolling hourly every 15 mins	850
NT Departures	Rolling hourly every 30 mins	4,300
	Rolling 2-hourly every 30 mins	7,750
NT Arrivals	International Rolling hourly every 30 mins	3,500
	Domestic Rolling hourly every 15 mins	800

Capacities apply to hourly demand on the runway with load factors (appendix 5) applied to aircraft seat numbers.

Capacities remain unchanged against W21/22. In order to protect Immigration against bunching of LH flights with a high proportion of NEU passengers, a

referral limit is proposed on arrivals of 3,000 pph in North and 2,600 pph in South Terminal for flights from NEU countries. This will limit the number of NEU arriving passengers which can be scheduled in an hour.

Appendix 5

**Gatwick Airport Scheduling Declaration
Winter 2022/23
Seat Load Factors**

The table below shows average load factors for the peak 6 weeks in W19/20 to apply to W22/23. Changes against W19/20 declaration are capped with blue values capped at + 5% while those in red are capped at – 0% as some W19 load factors were artificially low due to the Covid19 outbreak.

Winter 22/23 Declared Load Factors		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
NT	ARR	DOM / CTA	91.5%	83.9%	86.3%	87.9%	90.9%	87.9%	94.0%
		SH	94.2%	92.6%	92.4%	93.3%	94.3%	93.5%	95.5%
		LH	88.8%	85.2%	90.3%	87.9%	92.9%	92.3%	84.7%
	DEP	DOM / CTA	88.6%	86.8%	85.8%	87.5%	93.1%	93.6%	94.8%
		SH	95.9%	96.1%	91.7%	92.6%	94.0%	94.5%	95.4%
		LH	92.1%	90.1%	91.2%	87.3%	89.4%	88.8%	93.3%
ST	ARR	DOM / CTA	84.8%	76.2%	76.0%	80.4%	84.5%	84.0%	87.8%
		SH	86.8%	81.4%	83.0%	86.4%	87.8%	85.4%	89.0%
		LH	84.0%	83.1%	86.5%	84.8%	87.0%	90.3%	89.5%
	DEP	DOM / CTA	85.9%	75.7%	75.0%	79.3%	84.2%	86.9%	87.0%
		SH	91.3%	88.0%	82.3%	84.8%	86.3%	84.7%	89.7%
		LH	88.0%	87.6%	84.0%	85.9%	86.2%	87.2%	83.1%
ARR	CHARTER	91.8%	94.9%	93.8%	92.7%	96.9%	94.1%	91.1%	
DEP	CHARTER	93.7%	94.4%	92.8%	92.7%	94.3%	92.0%	90.1%	