

Gatwick Airport Scheduling Declaration Winter 2020/21

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 2020/21

Hourly Runway Scheduling Limits

W20/21 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	49	55	48	46	50	47	47	45	41	45	46	48	48	44	39	30	697	766
Arrival Limit	15	25	27	21	23	26	26	24	25	25	22	25	27	28	25	29	27	364	420
Departure Limit	28	33	32	31	25	29	27	28	26	24	28	27	26	26	22	18	15	412	445

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	44	47	55	48	50	53	51	49	48	44	42	40	40	40	38	34	25	689	748
Arrival Limit	15	24	27	23	27	27	27	25	23	26	23	25	27	28	24	22	23	371	416
Departure Limit	36	35	29	28	28	28	28	28	28	25	26	20	20	20	20	20	17	399	436

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	48	50	46	46	50	51	52	48	45	44	50	52	46	46	40	39	712	791
Arrival Limit	17	24	24	22	24	27	26	25	24	26	23	27	27	27	27	27	36	370	433
Departure Limit	28	37	31	29	28	25	27	31	29	22	29	25	30	28	22	20	15	421	456

Changes against W19/20

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																		0	0
Arrival Limit																		0	0
Departure Limit		-1																-1	-1

Hourly total scheduling limits are unchanged from 2019 for the purpose of initial coordination due to the uncertainty regarding future demand in the wake of the Covid19 outbreak. The departures limit has been reduced by 1 from 38 to 37 on Sunday 0700 hr to safeguard performance. Capacities will be reviewed before the start of the W20 season when there will be better understanding of both the operating environment and the expected traffic.

Note that S20 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 2020/21

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	13
07:00	0710-0720	7	9	13
07:00	0725-0735	7	9	13
07:00	0740-0750	7	9	13
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	6	8	13
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

No change from W19/20

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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	13
07:00	0710-0720	7	9	12
07:00	0725-0735	7	9	13
07:00	0740-0750	7	9	12
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	6	8	13
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	12
14:00	1410-1420	7	7	13
14:00	1425-1435	6	8	12
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

No change from W19/20

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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
11:00	1140-1150	7	8	14

	R15 Period	Arrival	Departure	Total
12:00	1155-1205	8	7	14
12:00	1210-1220	7	8	13
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

	R15 Period	Arrival	Departure	Total
19:00	1855-1905	8	7	12
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

No change from W19/20

Appendix 3

Gatwick Airport Scheduling Declaration Winter 2020/21 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

Code C - 38 Code C equivalent

Code E - 16 Code E

North Terminal

Code C – 39 Code C equivalent (-2 for Pier 6 works)

Code E - 15 Code E (-2 code E for Pier 6 works)

Code F - 1 Code F

Remote Parking :

Code C - 61 Code C equivalent (excl 6 push and hold)

Code E - 17 Code E

Code F - 2 Code F

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
Winter 2020/21**

Terminal Scheduling Limits

Terminal Area / Process		Winter 20/21 hourly capacity of pinchpoint	Runway equivalent	Proposed W20/21 scheduling limit
ST Departures	ST Check In	3,200	3,600	3,600 (7,000 2hr)
	ST Baggage Make Up	3,200	3,600	
	ST Central Search	3,600 (Winter)	4,040	
	ST IDL	4,550	3,900	
ST Arrivals	ST Immigration	~2,900 (GAL Q) ~4,000 (UKBF Q)	~2,900 (GAL Q) ~4,000 (UKBF Q)	3,350
	ST Int Reclaim	~3,350	~3,350	
	ST Dom Reclaim	~850	~850	850
NT Departures	NT Check In	4,700	5,000	4,300 (7,750 2hr)
	NT Baggage Make Up	6,100	6,600	
	NT Central Search	4,040 (Winter)	4,300	
	NT IDL	4,250	4,500	
NT Arrivals	NT Immigration	~3,700 (GAL Q) ~5,700 (UKBF Q)	~3,700 (GAL Q) ~5,700 (UKBF Q)	3,500
	NT Int Reclaim	~3,900	~3,900	
	NT Dom Reclaim	~800	~800	800

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

Capacities remain unchanged against W19/20. However, 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
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 Seat Load Factors

The table below shows average load factors for the peak 6 weeks in W19/20 to apply to W20/21. 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. *Note that W20 applied load factors will be reviewed prior to the start of the season and may be adjusted pending the outlook in the wake of Covid19.*

Winter 2020 load factors for ACL (capped at Winter 2019 +5%/-0% pts)			Mon	Tues	Wed	Thurs	Fri	Sat	Sun
North Terminal	Arrivals	Charter	98.1%	98.5%	95.2%	95.3%	97.1%	92.5%	92.3%
		CTA	80.7%	77.3%	85.7%	85.8%	88.8%	84.4%	89.2%
		Dom	91.9%	85.6%	85.2%	84.4%	88.6%	92.1%	96.6%
		Sched Int	92.9%	91.0%	90.3%	90.0%	92.0%	91.4%	93.7%
	Departures	Charter	98.5%	96.5%	91.7%	94.5%	95.7%	91.2%	91.3%
		CTA	88.4%	74.7%	74.2%	78.8%	87.2%	91.8%	94.9%
		Dom	87.3%	82.4%	89.5%	96.3%	93.0%	93.6%	94.8%
		Sched Int	94.1%	91.8%	90.1%	91.3%	92.6%	92.6%	94.3%
South Terminal	Arrivals	Charter	90.3%	80.1%	89.3%	75.2%	82.4%	92.0%	88.0%
		CTA	84.2%	75.7%	76.5%	82.3%	87.9%	83.9%	90.0%
		Dom	89.0%	85.2%	86.8%	81.8%	83.1%	89.0%	91.3%
		Sched Int	85.6%	82.0%	83.5%	87.6%	89.3%	88.3%	89.1%
	Departures	Charter	83.4%	83.5%	83.9%	94.4%	90.0%	92.6%	88.6%
		CTA	87.2%	75.8%	74.9%	82.3%	85.4%	87.2%	88.2%
		Dom	80.3%	80.3%	84.2%	86.7%	88.4%	88.4%	87.9%
		Sched Int	88.0%	83.7%	81.6%	83.8%	85.9%	87.8%	87.7%