

Gatwick Airport Scheduling Declaration Winter 2019/20

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 2019/20

Hourly Runway Scheduling Limits

W19/20 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	38	31	29	28	25	27	31	29	22	29	25	30	28	22	20	15	422	457

Changes to W18/19 Totals

Start of UTC Hour	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	15hr	17hr
Mon-Fri													1	1	2	1		4	5
Saturday															2			2	2
Sunday														1	4	4		5	9

Increases in capacity have been provided where required to accommodate predicted demand. Much of the new demand could be accommodated within existing limits but increases are required in the evening period between 1800 and 2100 on weekdays and Sundays. Overall there is an average capacity release of 5 per day over the week.

Note that S19 Limits may apply over the October half term period at the start of the Winter season. Details to be agreed post slot handback deadline.

Appendix 2

Gatwick Airport Scheduling Declaration Winter 2019/20

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.

Gatwick Airport Scheduling Declaration Winter 2019/20

Weekday 15 Minute Limits

R15 Period	Arrival	Departure	Total		R15 Period	Arrival	Departure	Total		R15 Period	Arrival	Departure	Total			
05:00	0455-0505	6	6	10		12:00	1155-1205	7	7	13		19:00	1855-1905	8	7	13
05:00	0510-0520	6	6	10		12:00	1210-1220	7	8	13		19:00	1910-1920	7	7	13
05:00	0525-0535	6	6	10		12:00	1225-1235	7	7	13		19:00	1925-1935	8	7	13
05:00	0540-0550	6	6	10		12:00	1240-1250	7	8	13		19:00	1940-1950	7	7	13
06:00	0555-0605	5	8	10		13:00	1255-1305	7	7	13		20:00	1955-2005	7	6	11
06:00	0610-0620	5	8	10		13:00	1310-1320	7	8	13		20:00	2010-2020	7	6	12
06:00	0625-0635	5	8	10		13:00	1325-1335	7	7	13		20:00	2025-2035	7	6	11
06:00	0640-0650	5	8	10		13:00	1340-1350	7	8	13		20:00	2040-2050	7	6	12
07:00	0655-0705	7	9	13		14:00	1355-1405	7	7	12		21:00	2055-2105	8	5	10
07:00	0710-0720	7	9	13		14:00	1410-1420	7	7	12		21:00	2110-2120	8	5	11
07:00	0725-0735	7	9	13		14:00	1425-1435	7	7	12		21:00	2125-2135	8	5	10
07:00	0740-0750	7	9	13		14:00	1440-1450	7	7	12		21:00	2140-2150	8	5	11
08:00	0755-0805	8	8	14		15:00	1455-1505	7	6	11		22:00	2155-2205	8	5	10
08:00	0810-0820	7	9	14		15:00	1510-1520	7	7	11		22:00	2210-2220	8	5	11
08:00	0825-0835	8	8	14		15:00	1525-1535	7	6	11		22:00	2225-2235	8	5	10
08:00	0840-0850	7	9	14		15:00	1540-1550	7	7	11		22:00	2240-2250	8	5	11
09:00	0855-0905	6	8	13		16:00	1555-1605	6	8	12		23:00	2255-2305	6	6	10
09:00	0910-0920	6	9	13		16:00	1610-1620	6	7	12		23:00	2310-2320	6	6	10
09:00	0925-0935	6	8	13		16:00	1625-1635	6	8	12		23:00	2325-2335	6	6	10
09:00	0940-0950	6	9	13		16:00	1640-1650	6	7	12		23:00	2340-2350	6	6	10
10:00	0955-1005	7	7	12		17:00	1655-1705	7	7	13		23:00	2355-0450	6	6	10
10:00	1010-1020	6	8	13		17:00	1710-1720	7	7	12						
10:00	1025-1035	7	7	12		17:00	1725-1735	7	7	13						
10:00	1040-1050	6	8	13		17:00	1740-1750	7	7	12						
11:00	1055-1105	8	7	13		18:00	1755-1805	8	7	13						
11:00	1110-1120	7	8	13		18:00	1810-1820	7	7	13						
11:00	1125-1135	8	7	13		18:00	1825-1835	8	7	13						
11:00	1140-1150	7	8	13		18:00	1840-1850	7	7	13						

Gatwick Airport Scheduling Declaration Winter 2019/20

Saturday 15 Minute Limits

	R15 Period	Arrival	Departure	Total			R15 Period	Arrival	Departure	Total			R15 Period	Arrival	Departure	Total
05:00	0455-0505	6	6	10		12:00	1155-1205	8	8	14		19:00	1855-1905	8	6	10
05:00	0510-0520	6	6	10		12:00	1210-1220	7	7	13		19:00	1910-1920	7	6	11
05:00	0525-0535	6	6	10		12:00	1225-1235	8	8	14		19:00	1925-1935	8	6	10
05:00	0540-0550	6	6	10		12:00	1240-1250	7	7	13		19:00	1940-1950	7	6	11
06:00	0555-0605	7	9	11		13:00	1255-1305	7	8	13		20:00	1955-2005	6	6	10
06:00	0610-0620	7	9	12		13:00	1310-1320	7	7	13		20:00	2010-2020	7	6	10
06:00	0625-0635	7	9	11		13:00	1325-1335	7	8	13		20:00	2025-2035	6	6	10
06:00	0640-0650	7	9	12		13:00	1340-1350	7	7	13		20:00	2040-2050	7	6	10
07:00	0655-0705	7	9	13		14:00	1355-1405	6	8	12		21:00	2055-2105	6	6	10
07:00	0710-0720	7	9	12		14:00	1410-1420	7	7	13		21:00	2110-2120	7	6	10
07:00	0725-0735	7	9	13		14:00	1425-1435	6	8	12		21:00	2125-2135	6	6	10
07:00	0740-0750	7	9	12		14:00	1440-1450	7	7	13		21:00	2140-2150	7	6	10
08:00	0755-0805	8	8	14		15:00	1455-1505	7	7	12		22:00	2155-2205	6	6	10
08:00	0810-0820	7	7	14		15:00	1510-1520	7	7	11		22:00	2210-2220	7	6	10
08:00	0825-0835	8	8	14		15:00	1525-1535	7	7	12		22:00	2225-2235	6	6	10
08:00	0840-0850	7	7	14		15:00	1540-1550	7	7	11		22:00	2240-2250	7	6	10
09:00	0855-0905	6	8	13		16:00	1555-1605	6	7	11		23:00	2255-2305	6	6	10
09:00	0910-0920	7	7	12		16:00	1610-1620	7	7	11		23:00	2310-2320	6	6	10
09:00	0925-0935	6	8	13		16:00	1625-1635	6	7	11		23:00	2325-2335	6	6	10
09:00	0940-0950	7	7	12		16:00	1640-1650	7	7	11		23:00	2340-2350	6	6	10
10:00	0955-1005	8	8	13		17:00	1655-1705	7	6	10		23:00	2355-0450	6	6	10
10:00	1010-1020	7	7	13		17:00	1710-1720	7	6	11						
10:00	1025-1035	8	8	13		17:00	1725-1735	7	6	10						
10:00	1040-1050	7	7	13		17:00	1740-1750	7	6	11						
11:00	1055-1105	8	8	14		18:00	1755-1805	7	6	10						
11:00	1110-1120	7	7	14		18:00	1810-1820	7	6	11						
11:00	1125-1135	8	8	14		18:00	1825-1835	7	6	10						
11:00	1140-1150	7	7	14		18:00	1840-1850	7	6	11						

Gatwick Airport Scheduling Declaration Winter 2019/20

Sunday 15 Minute Limits

	R15 Period	Arrival	Departure	Total			R15 Period	Arrival	Departure	Total			R15 Period	Arrival	Departure	Total
05:00	0455-0505	6	6	10		12:00	1155-1205	8	7	14		19:00	1855-1905	8	7	12
05:00	0510-0520	6	6	10		12:00	1210-1220	7	8	13		19:00	1910-1920	7	8	12
05:00	0525-0535	6	6	10		12:00	1225-1235	8	7	14		19:00	1925-1935	8	7	12
05:00	0540-0550	6	6	10		12:00	1240-1250	7	8	13		19:00	1940-1950	7	8	12
06:00	0555-0605	6	7	10		13:00	1255-1305	7	9	14		20:00	1955-2005	8	6	12
06:00	0610-0620	6	8	10		13:00	1310-1320	7	8	13		20:00	2010-2020	7	6	12
06:00	0625-0635	6	7	10		13:00	1325-1335	7	9	14		20:00	2025-2035	8	6	12
06:00	0640-0650	6	8	10		13:00	1340-1350	7	8	13		20:00	2040-2050	7	6	12
07:00	0655-0705	7	10	13		14:00	1355-1405	7	8	12		21:00	2055-2105	8	6	11
07:00	0710-0720	6	10	12		14:00	1410-1420	6	8	13		21:00	2110-2120	7	6	10
07:00	0725-0735	7	10	13		14:00	1425-1435	7	8	12		21:00	2125-2135	8	6	11
07:00	0740-0750	6	10	12		14:00	1440-1450	6	8	13		21:00	2140-2150	7	6	10
08:00	0755-0805	7	9	14		15:00	1455-1505	7	6	11		22:00	2155-2205	10	6	10
08:00	0810-0820	6	8	13		15:00	1510-1520	7	6	12		22:00	2210-2220	9	6	11
08:00	0825-0835	7	9	14		15:00	1525-1535	7	6	11		22:00	2225-2235	10	6	10
08:00	0840-0850	6	8	13		15:00	1540-1550	7	6	12		22:00	2240-2250	9	6	11
09:00	0855-0905	6	8	12		16:00	1555-1605	7	8	12		23:00	2255-2305	7	6	10
09:00	0910-0920	6	8	12		16:00	1610-1620	6	8	12		23:00	2310-2320	6	6	10
09:00	0925-0935	6	8	12		16:00	1625-1635	7	8	12		23:00	2325-2335	6	6	10
09:00	0940-0950	6	8	12		16:00	1640-1650	6	8	12		23:00	2340-2350	6	6	10
10:00	0955-1005	7	7	12		17:00	1655-1705	8	7	13		23:00	2355-0450	6	6	10
10:00	1010-1020	6	8	12		17:00	1710-1720	7	7	13						
10:00	1025-1035	7	7	12		17:00	1725-1735	8	7	13						
10:00	1040-1050	6	8	12		17:00	1740-1750	7	7	13						
11:00	1055-1105	8	7	13		18:00	1755-1805	8	8	14						
11:00	1110-1120	7	8	14		18:00	1810-1820	7	8	13						
11:00	1125-1135	8	7	13		18:00	1825-1835	8	8	14						
11:00	1140-1150	7	8	14		18:00	1840-1850	7	8	13						

Appendix 3

Gatwick Airport Scheduling Declaration Winter 2019/20 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 – 40 Code C equivalent (excl 3 Code C stands on Pier 6 western extension)

Code E - 15 Code E (1 E stand out of operation for projects)

Code F - 1 Code F

Remote Parking :

Code C - 60 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 2019/20**

Terminal Scheduling Limits

Area	Lowest capacity area	Capacity	Proposed Sch Limit W19
NT Deps	Central Search, Dep Lounge (soft)	~4300	4300 per hr every 30 mins 7750 per 2 hrs every 30 mins
NT Int Arr	Immigration, Int Reclaim	~3500	3500 per hr every 30 mins See note below
NT Dom Arr (Inc CTA)	Dom Reclaim	800 (one belt)	800 per hr every 15 mins
NT Dom / CTA Deps	Pier Served Stands	6 stands	6 departures per 45 mins every 5 mins
ST Deps	Dep Lounge (soft), Check In	~3600	3600 per hr every 30 mins 7000 per 2 hrs every 30 mins
ST Int Arr	Immigration, Int Reclaim	~3350	3350 per hr every 30 mins
ST Dom Arr (Inc CTA)	Dom Reclaim	~850	850 per hr every 15 mins
ST Dom / CTA Deps	Pier Served Stands	6 stands	6 departures per 45 mins every 5 mins

Capacities apply to hourly demand on the runway with load factors (appendix 4) applied to aircraft seat numbers.

Capacities remain unchanged against W18. 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 in North and South Terminal. This will limit the number of NEU arriving passengers which can be scheduled in an hour. The details of how this will be implemented is to be agreed at the Coordination Committee subgroup meeting on 2nd July 2019.

Appendix 5

Gatwick Airport Scheduling Declaration
 Winter 2019/20
 Seat Load Factors

The table below shows average load factors for the peak 6 weeks in Winter 2019/20 capped to within 5% of the previous year. Note that figures in red are capped at + 5% while those in blue are capped at – 5%.

Winter 2019 load factors for ACL (capped at Winter 2018 +/- 5% pts)			Mon	Tues	Wed	Thurs	Fri	Sat	Sun
North Terminal	Arrivals	Charter	98.1%	98.5%	95.2%	95.3%	96.6%	89.2%	92.3%
		CTA	78.4%	77.3%	82.8%	82.1%	83.8%	82.0%	87.7%
		Dom	91.8%	85.6%	85.2%	84.4%	87.4%	92.1%	96.6%
		Sched Int	92.2%	89.9%	89.6%	90.0%	91.4%	91.2%	93.5%
	Departures	Charter	98.0%	96.5%	91.7%	94.5%	93.5%	91.2%	90.6%
		CTA	86.4%	69.7%	74.2%	77.5%	87.2%	87.0%	92.5%
		Dom	82.3%	81.8%	89.5%	96.3%	93.0%	93.6%	92.9%
		Sched Int	91.8%	86.8%	90.1%	91.1%	91.9%	92.6%	92.6%
South Terminal	Arrivals	Charter	90.3%	80.1%	89.3%	75.2%	82.4%	88.9%	88.0%
		CTA	84.2%	75.7%	76.5%	82.3%	87.9%	83.6%	90.0%
		Dom	89.0%	85.2%	84.1%	76.8%	81.7%	85.3%	91.3%
		Sched Int	85.5%	82.0%	82.4%	87.6%	89.3%	88.3%	89.1%
	Departures	Charter	83.4%	78.8%	78.9%	89.4%	90.0%	88.5%	88.6%
		CTA	83.4%	75.8%	74.9%	82.3%	85.4%	87.2%	86.7%
		Dom	80.3%	80.3%	84.2%	86.7%	85.9%	87.7%	87.9%
		Sched Int	85.4%	78.7%	81.6%	83.8%	85.9%	87.8%	87.7%