

## **Gatwick Airport Scheduling Declaration Winter 2018/19**

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 2018/19

#### Hourly Runway Scheduling Limits

##### W18/19 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	47	47	42	38	30	693	761
Arrival Limit	15	25	27	21	23	27	26	24	25	25	22	26	27	28	24	29	27	365	421
Departure Limit	28	33	32	31	25	27	27	28	26	24	28	26	26	26	22	18	15	409	442

###### 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	36	34	25	687	746
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	27	28	28	28	25	26	20	20	20	20	20	17	398	435

###### 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	45	42	36	39	707	782
Arrival Limit	17	24	24	22	24	27	27	25	24	26	23	27	27	27	24	27	36	368	431
Departure Limit	28	38	31	29	25	25	26	31	29	22	29	25	30	28	22	20	15	418	453

##### Changes to W17/18 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															2			2	2
Saturday			1		1								-5	-5	-2	-2		-10	-12
Sunday		2	-2	1	3	-2	-1			1				-2	2			2	2

Increases in capacity have been provided where required to accommodate predicted demand and reduced in shoulder hours where not required. Totals increased by +2 on weekdays in 2000, by +1 at 0800 and 1000 on Saturdays and reduced on Saturday evenings by -12 between 1800 and 2100 where demand is low. Capacity on Sundays has been flexed between adjacent hours to accommodate 9 capacity increases in shoulder hours with a net increase of +2 overall including +1 in 1500.

## **Appendix 2**

### **Gatwick Airport Scheduling Declaration Winter 2018/19**

#### **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.

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### 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						

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### 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						

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### 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	13
05:00	0510-0520	6	6	10			12:00	1210-1220	7	8	13			19:00	1910-1920	7	8	13
05:00	0525-0535	6	6	10			12:00	1225-1235	8	7	14			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	8	13
06:00	0555-0605	6	7	10			13:00	1255-1305	7	9	14			20:00	1955-2005	7	6	11
06:00	0610-0620	6	8	10			13:00	1310-1320	7	8	13			20:00	2010-2020	6	6	11
06:00	0625-0635	6	7	10			13:00	1325-1335	7	9	14			20:00	2025-2035	7	6	11
06:00	0640-0650	6	8	10			13:00	1340-1350	7	8	13			20:00	2040-2050	6	6	11
07:00	0655-0705	7	10	12			14:00	1355-1405	7	8	12			21:00	2055-2105	8	6	10
07:00	0710-0720	6	10	12			14:00	1410-1420	6	8	13			21:00	2110-2120	7	6	9
07:00	0725-0735	7	10	12			14:00	1425-1435	7	8	12			21:00	2125-2135	8	6	10
07:00	0740-0750	6	10	12			14:00	1440-1450	6	8	13			21:00	2140-2150	7	6	9
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	6	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	11			17:00	1655-1705	8	7	13			23:00	2355-0450	6	6	10
10:00	1010-1020	6	7	12			17:00	1710-1720	7	7	13							
10:00	1025-1035	7	7	11			17:00	1725-1735	8	7	13							
10:00	1040-1050	6	7	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 2018/19 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 - 36 Code C equivalent (2 code C stands taken out for Pier 2 South due to taxiway project work)

Code E - 16 Code E

##### North Terminal

Code C – 39 Code C equivalent (excl 2 Code C stands out of operations for projects, stands 557/559)

Code E - 16 Code E (Stand 558 is not serviceable for code E operations)

Code F - 1 Code F

##### Remote Parking :

Code C - 61 Code C equivalent (excl 5 push and hold, and stand 130 closed for project work)

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 2018/19

#### Terminal Scheduling Limits

Area	Lowest capacity area	Capacity	Proposed Sch Limit W18
NT Deps	Central Search, Dep Lounge (soft)	~4300	4300 per hr every 30 mins <b>7750</b> per 2 hrs every 30 mins
NT Int Arr	Immigration, Int Reclaim	~3500	3500 per hr every 30 mins <b>See note below</b>
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	<b>3600 per hr every 30 mins</b> 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.*

*The 2hour capacity in NT Departures has been increased from 7500 in W17 to 7750 in W18 to accommodate expected demand. During the peak, the traffic mix is such that the required security throughput rates can be sustained.*

*NT Arrivals capacity remains unchanged but due to a difficult Non EU mix of traffic at immigration in the 1800 hour on Saturdays, acceptance of additional NEU arrivals in this hour will be referred to GAL approvals despite being within the hourly limit.*

*ST Departures capacity has been reduced from 3800 in W17 to 3600 due to the closure of the Lower zone B check-in area. This is sufficient to accommodate expected demand with Air Transat moved to North Terminal.*



**Appendix 5**

**Gatwick Airport Scheduling Declaration  
Winter 2018/19  
Seat Load Factors**

The table below shows average load factors for the peak 6 weeks in Winter 2017/18 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 2018 load factors for ACL (capped at Winter 2017 +/- 5% pts)			Mon	Tues	Wed	Thurs	Fri	Sat	Sun
North Terminal	Arrivals	Charter	94.9%	94.0%	95.6%	91.3%	95.0%	94.2%	93.2%
		CTA	83.4%	82.3%	82.9%	82.3%	88.8%	87.0%	84.1%
		Dom	93.5%	89.8%	89.7%	83.9%	87.9%	91.7%	94.3%
		Sched Int	91.2%	90.2%	90.4%	92.4%	93.2%	93.6%	92.5%
	Departures	Charter	93.8%	97.2%	94.2%	97.1%	97.6%	93.4%	95.3%
		CTA	82.6%	74.7%	79.2%	81.4%	89.4%	82.8%	90.7%
		Dom	82.2%	81.0%	84.5%	91.9%	93.4%	93.5%	93.3%
		Sched Int	93.3%	90.4%	92.0%	93.5%	94.3%	94.8%	93.3%
South Terminal	Arrivals	Charter	87.0%	77.4%	85.9%	75.2%	77.4%	89.8%	88.2%
		CTA	84.0%	80.7%	81.5%	84.5%	84.2%	82.6%	85.0%
		Dom	86.8%	82.0%	79.1%	71.8%	76.7%	80.3%	88.0%
		Sched Int	83.8%	84.1%	84.1%	87.3%	88.5%	87.9%	85.7%
	Departures	Charter	78.4%	83.8%	83.9%	94.4%	85.2%	93.5%	93.0%
		CTA	84.3%	77.0%	78.7%	85.1%	85.2%	87.5%	86.1%
		Dom	78.3%	76.4%	80.5%	82.7%	88.1%	86.4%	83.2%
		Sched Int	87.7%	83.7%	85.0%	88.3%	90.0%	90.0%	87.4%

