

## **Gatwick Airport Scheduling Declaration Winter 2017/18**

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 2017/18

#### Hourly Runway Scheduling Limits

##### W17/18 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	49	38	38	30	691	759
Arrival Limit	15	25	27	21	23	27	26	24	25	25	21	26	27	28	24	29	27	364	420
Departure Limit	28	33	31	31	25	27	27	28	26	24	28	25	26	26	22	18	15	407	440

###### 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	54	48	49	53	51	49	48	44	42	40	45	45	38	36	25	697	758
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	28	28	28	27	28	28	28	25	26	20	28	28	22	22	17	415	454

###### 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	46	52	45	43	52	52	52	48	44	44	50	52	50	37	36	39	705	780
Arrival Limit	17	24	24	22	24	27	27	25	24	26	23	29	27	27	24	27	36	370	433
Departure Limit	28	37	31	29	25	25	26	31	29	22	29	23	30	28	22	20	15	415	450

##### Changes to W15/16 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																		0	0
Saturday					2													2	2
Sunday											2				1			3	3

Increases in capacity have been provided where required to accommodate predicted demand. On weekdays the departures limit has been increased by +1 in 1700 and arrivals by +1 in 2100. On Saturdays departures has been increased by +2 in 1000 and +2 in 1200 and on Sundays by +1 in 0600.

## **Appendix 2**

### **Gatwick Airport Scheduling Declaration Winter 2017/18**

#### **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.

## Gatwick Airport Scheduling Declaration Winter 2017/18

### 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	11
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	11
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 2017/18

### 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	8	12
05:00	0510-0520	6	6	10		12:00	1210-1220	7	7	13		19:00	1910-1920	7	8	12
05:00	0525-0535	6	6	10		12:00	1225-1235	8	8	14		19:00	1925-1935	8	8	12
05:00	0540-0550	6	6	10		12:00	1240-1250	7	7	13		19:00	1940-1950	7	8	12
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	8	12						
11:00	1110-1120	7	7	14		18:00	1810-1820	7	7	12						
11:00	1125-1135	8	8	14		18:00	1825-1835	7	8	12						
11:00	1140-1150	7	7	14		18:00	1840-1850	7	7	12						

## Gatwick Airport Scheduling Declaration Winter 2017/18

### 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	10
06:00	0610-0620	6	8	10			13:00	1310-1320	7	8	13			20:00	2010-2020	6	6	9
06:00	0625-0635	6	7	10			13:00	1325-1335	7	9	14			20:00	2025-2035	7	6	10
06:00	0640-0650	6	8	10			13:00	1340-1350	7	8	13			20:00	2040-2050	6	6	9
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	09:55-1005	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	8	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	8	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 2017/18 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 parking positions

##### North Terminal

Code C - 40 Code C equivalent parking position

Code E - 17 Code E parking positions

Code F - 1 Code F parking position

##### Remote Parking :

Code C - 63 Code C equivalent parking positions

Code F - 2 Code F parking positions

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. 2 centrelines at a time will be taken out of service on Pier 2 South Terminal during works on Juliette taxiway and 2 MCA's on Pier 4 North Terminal during stand reconfiguration works. Dates of outages to be provided.

## Appendix 4

### Gatwick Airport Scheduling Declaration Winter 2017/18

#### Terminal Scheduling Limits

Area	Lowest capacity area	Capacity	Proposed Sch Limit W16
NT Deps	Central Search, Dep Lounge (soft)	~4300	4300 per hr every 30 mins 7500 per 2 hrs every 30 mins
NT Int Arr	Immigration, Int Reclaim	~3500	3500 per hr every 30 mins
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	~3800	3800 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.*

*No change in proposed capacity limits from W16 declaration when changes were made to accommodate airline moves and easyJet consolidation in North Terminal.*



Appendix 5

**Gatwick Airport Scheduling Declaration  
Winter 2017/18  
Seat Load Factors**

The table below shows average load factors for the peak 6 weeks in Winter 2016/17 capped to within 5% of the previous year. Note that figures in red are capped. Figures in blue have not been capped despite changing by more than 5% due to changes in traffic mix resulting from airline moves.

Winter 2017 load factors for ACL (capped at Winter 2016 +/- 5% pts)			Mon	Tues	Wed	Thurs	Fri	Sat	Sun
North Terminal	Arrivals	Charter	93.9%	93.6%	94.1%	94.1%	93.4%	91.8%	94.8%
		CTA	79.5%	78.5%	77.9%	77.3%	84.5%	85.7%	86.9%
		Dom	91.7%	86.4%	84.7%	78.9%	82.9%	88.7%	96.3%
		Sched Int	90.5%	87.4%	86.4%	89.0%	92.6%	92.2%	91.9%
	Departures	Charter	92.7%	92.5%	96.3%	93.9%	94.1%	94.2%	95.4%
		CTA	77.6%	73.2%	74.2%	76.4%	84.4%	77.8%	93.5%
		Dom	77.2%	76.0%	79.5%	86.9%	93.3%	93.7%	92.4%
		Sched Int	90.8%	86.1%	87.9%	90.8%	92.8%	92.5%	92.4%
South Terminal	Arrivals	Charter	82.0%	82.4%	85.6%	80.2%	82.4%	89.8%	91.8%
		CTA	87.3%	82.1%	79.4%	84.0%	81.9%	79.9%	90.0%
		Dom	89.2%	78.1%	74.1%	74.4%	81.7%	83.3%	93.0%
		Sched Int	87.7%	86.1%	84.3%	86.0%	87.7%	86.1%	89.3%
	Departures	Charter	73.4%	83.8%	78.9%	89.4%	82.7%	91.7%	89.9%
		CTA	80.9%	72.6%	74.9%	84.1%	88.1%	83.3%	87.1%
		Dom	76.7%	71.4%	78.5%	82.6%	91.6%	91.4%	88.2%
		Sched Int	87.1%	84.3%	83.8%	86.4%	89.0%	87.1%	88.0%