

Richmond Heathrow Campaign



Night Flights

Peter Willan

Presentation to HCNF

Wednesday 22 January 2020

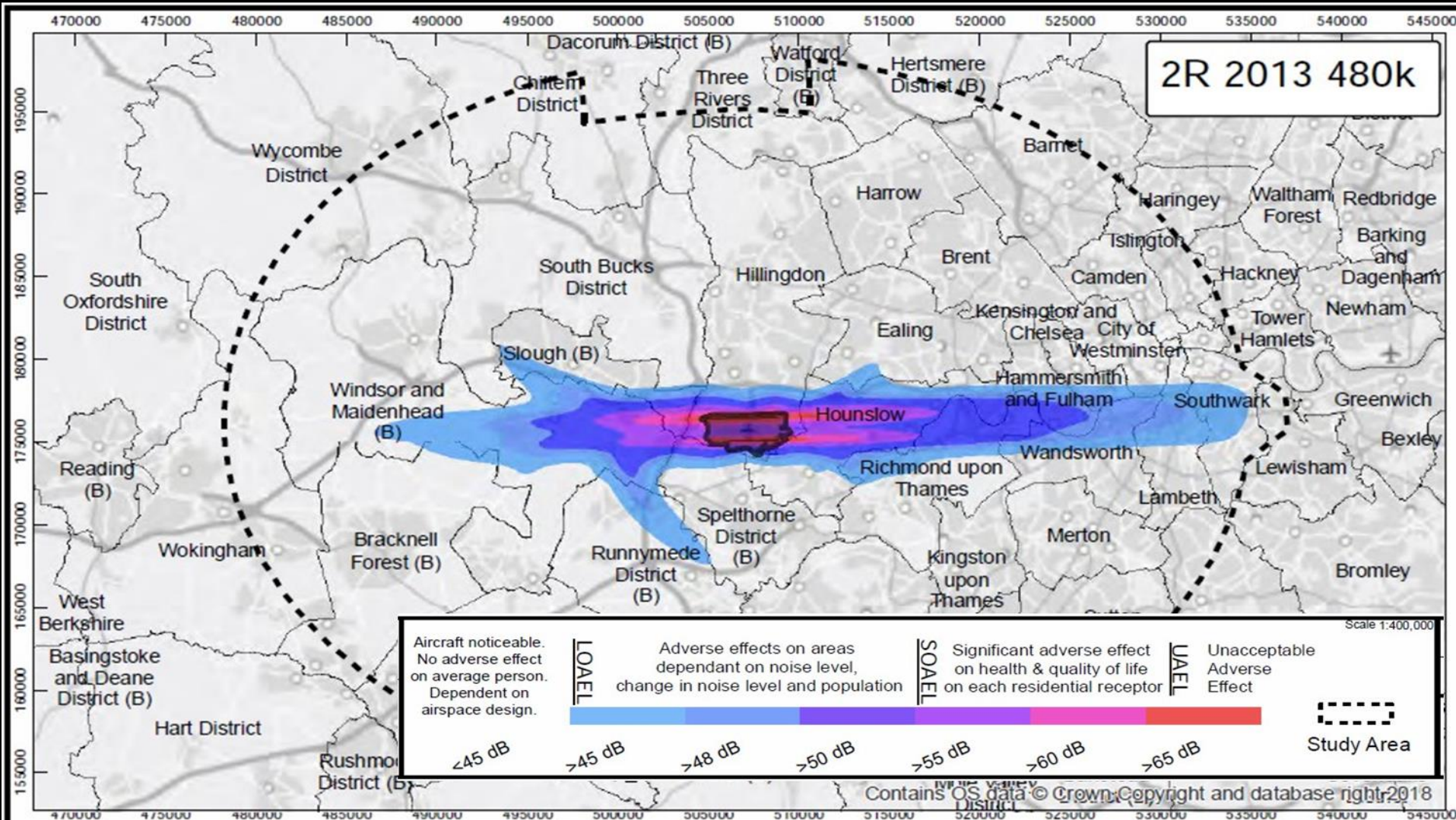
Night Noise Estimates

Night Flights. Peter Willan (Richmond Heathrow Campaign). Heathrow Community Noise Forum 22/01/2020.

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Two Runway – Night – 2013

Master Plan 2019

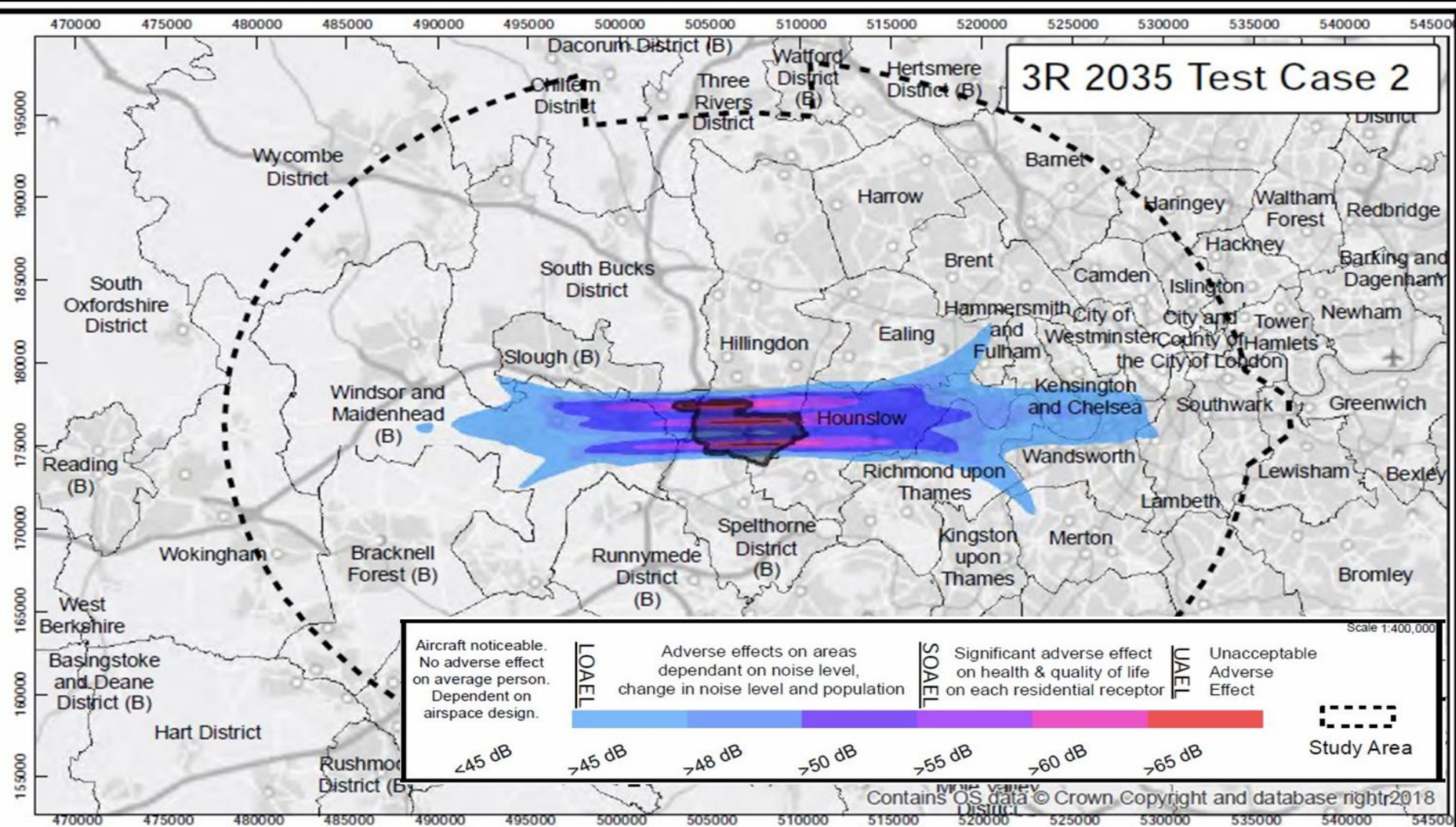


Night Flights. Peter Willan (Richmond Heathrow Campaign). Heathrow Community Noise Forum 22/01/2020.

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Three Runway – Night – 2035

Master Plan 2019

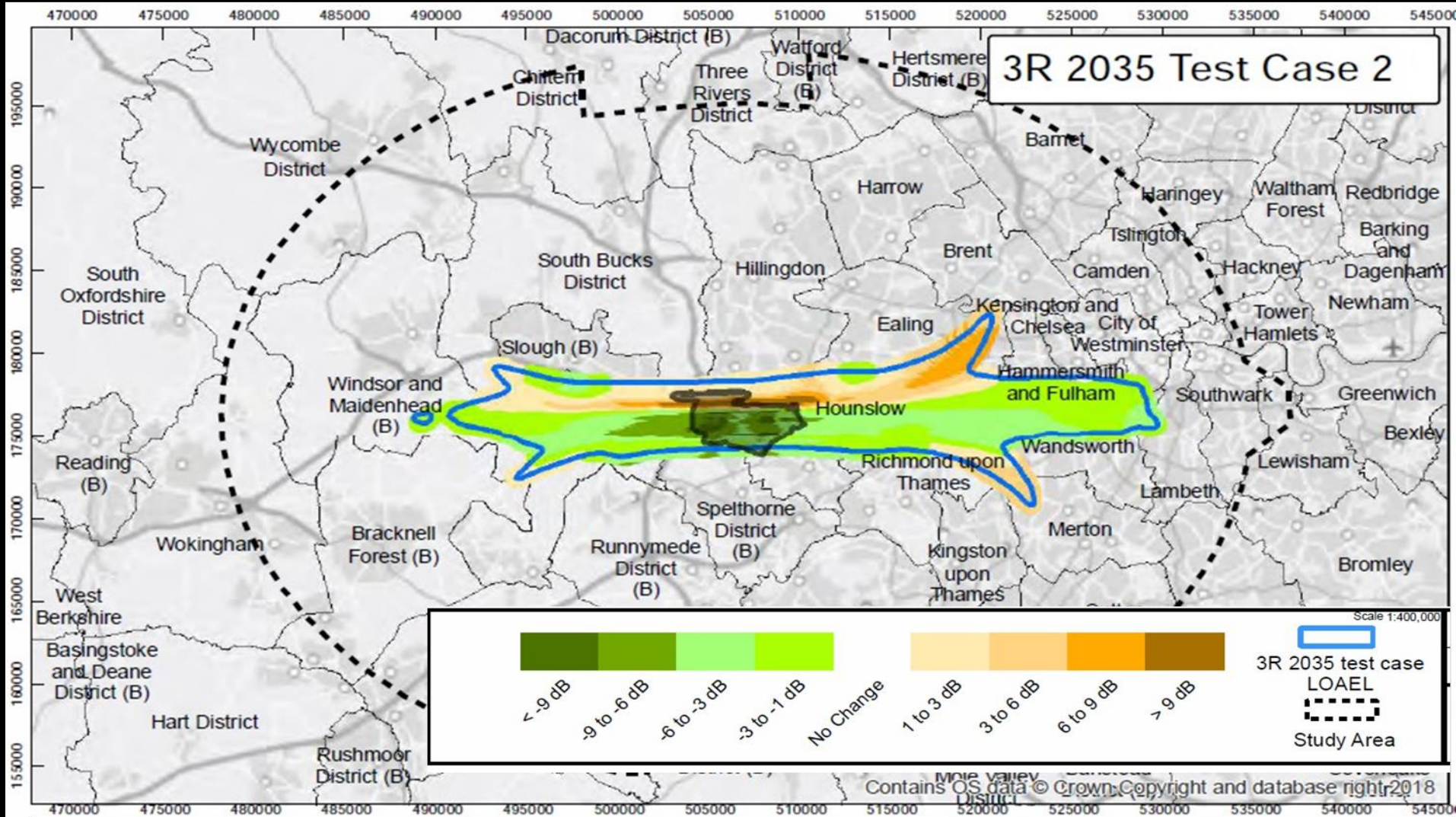


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Difference – Night – 2035 3R minus 2013 2R

Master Plan 2019

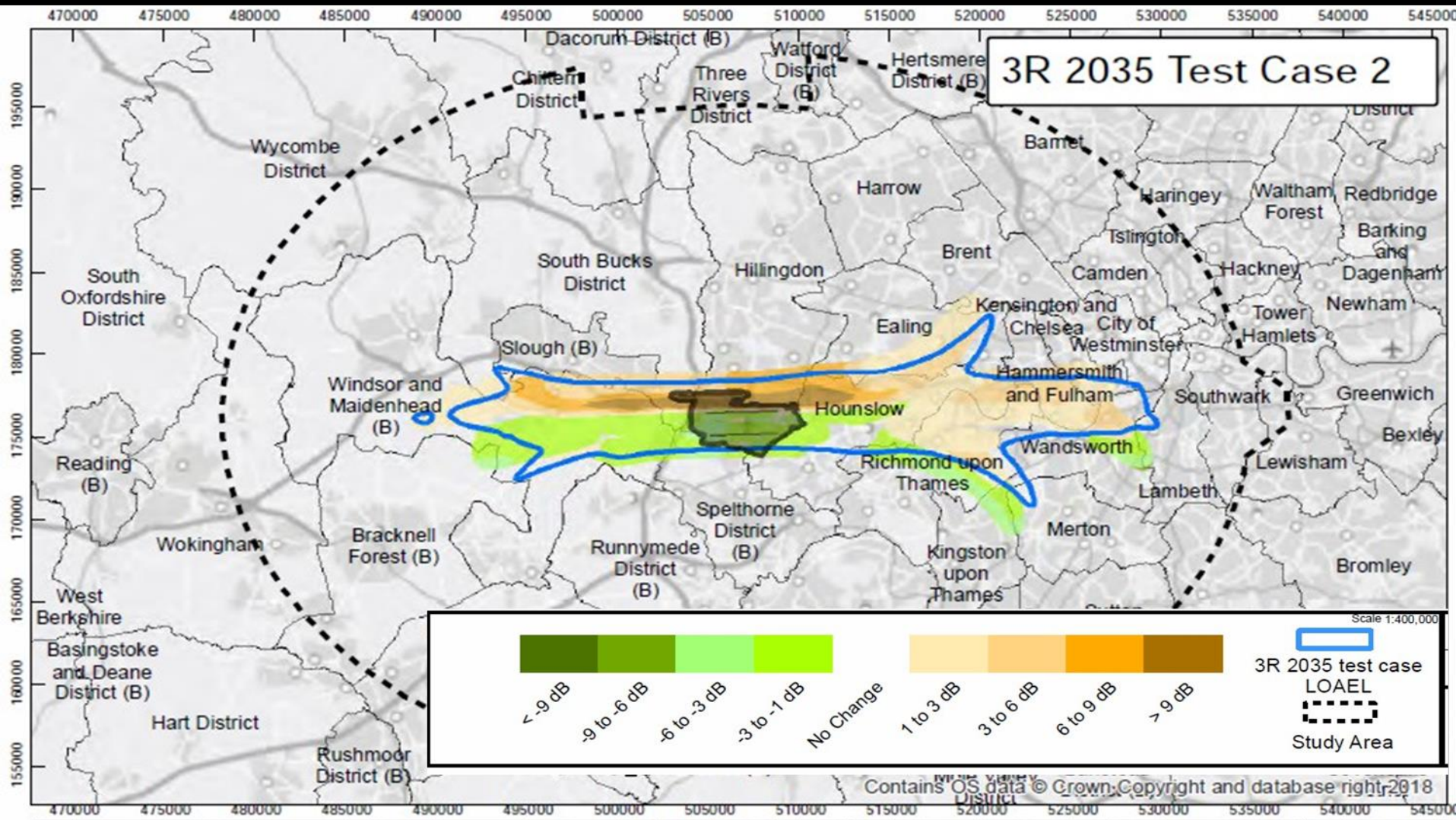


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Difference – Night – 2035 3R minus 2035 2R

Master Plan 2019



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Immediate Action

Existing Night Flights

Night Flying Restrictions pre new regime 2017

TABLE 1	Late Evening Shoulder		Night Quota Period		Early Morning Shoulder	
	23:00-23:30		23:30-6:00		6:00-7:00	
Movement Limits ATMs	None		(to be updated)		None	
Noise Quota Points- Limit	None		(to be updated)		None	
Carry-over between seasons - Movements			Yes			
Carry-over between seasons - NQ Points			Yes			
Ban on Noisiest Aircraft:	Scheduled	Operational	Scheduled	Operational	Scheduled	Operational
QC/16 & QC/8	Ban	Ban	Ban	Ban	Ban	Ban
QC/4	Ban	No Ban	Ban	No Ban	Ban	No Ban
QC/2, QC/1, QC/0.5 & QC/0.25	No Ban	No Ban	No Ban	No Ban	No Ban	No Ban
QC less than 0.25	Exempt	Exempt	Exempt	Exempt	Exempt	Exempt
Dispensations	Yes		Yes		Yes	
Runway preference	Westerly		No preference		Westerly	
Runway Rotation	Yes		Yes		No (TEAM)	

Heathrow Night Flights

21-Aug-19

Prepared by Richmond Heathrow Campaign

HEATHROW NIGHT FLIGHTS - ACTUALS 2018

	TABLE A			
	Arrivals	Departures	Total Flights	Flights per nt
23:00 -23:30 (evening shoulder)	619	2,304	2,923	8.0
23:30 -00:00	170	347	517	1.4
00:00 -00:30	87	120	207	0.6
00:30 -01:00	34	68	102	0.3
01:00 -01:30	5	37	42	0.1
01:30 -02:00	0	8	8	0.0
02:00 -02:30	0	0	0	0.0
02:30 -03:00	0	1	1	0.0
03:00 -03:30	0	0	0	0.0
03:30 -04:00	0	0	0	0.0
04:00 -04:30	1	0	1	0.0
23:30 -04:30 (1)	297	581	878	2.4
04:30 -05:00	1,839	0	1,839	5.0
05:00 -05:30	2,086	0	2,086	5.7
05:30 -06:00	1,436	0	1,436	3.9
04:30 -06:00 (2)	5,361	0	5,361	14.7
Total Night Quota Period (1)+(2)	5,658	581	6,239	17.1
06:00 -07:00 (morning shoulder)	8,478	11,870	20,348	55.7
Total Night Period	14,755	14,755	29,510	80.8

Scheduled	Not Sched excl dispen	Total quota count	Dispensation	Total Flights
66	2,857	na	na	2,923
5	385	390	457	847
5,064	96	5,160	197	5,357
5,069	481	5,550	654	6,204
16,355	3,993	na	na	20,348
21,490	7,331	na	654	29,475

TABLE A Source: Heathrow Reports: Heathrow Night Flight Report 2018 Q4 21 February 2019

TABLE B Source: Heathrow Daily Operational Data Report 2018

Note: Slightly different Dispensation numbers between reports

Note: Arrival and departure proportions in periods 23:00-23:30 and 06:00-07:00 estimated by Richmond Heathrow Campaign

Night Quota Period: 23:30-06:00

Night Period: 23:00-07:00

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Immediate Action - Reduce Night Flight Noise

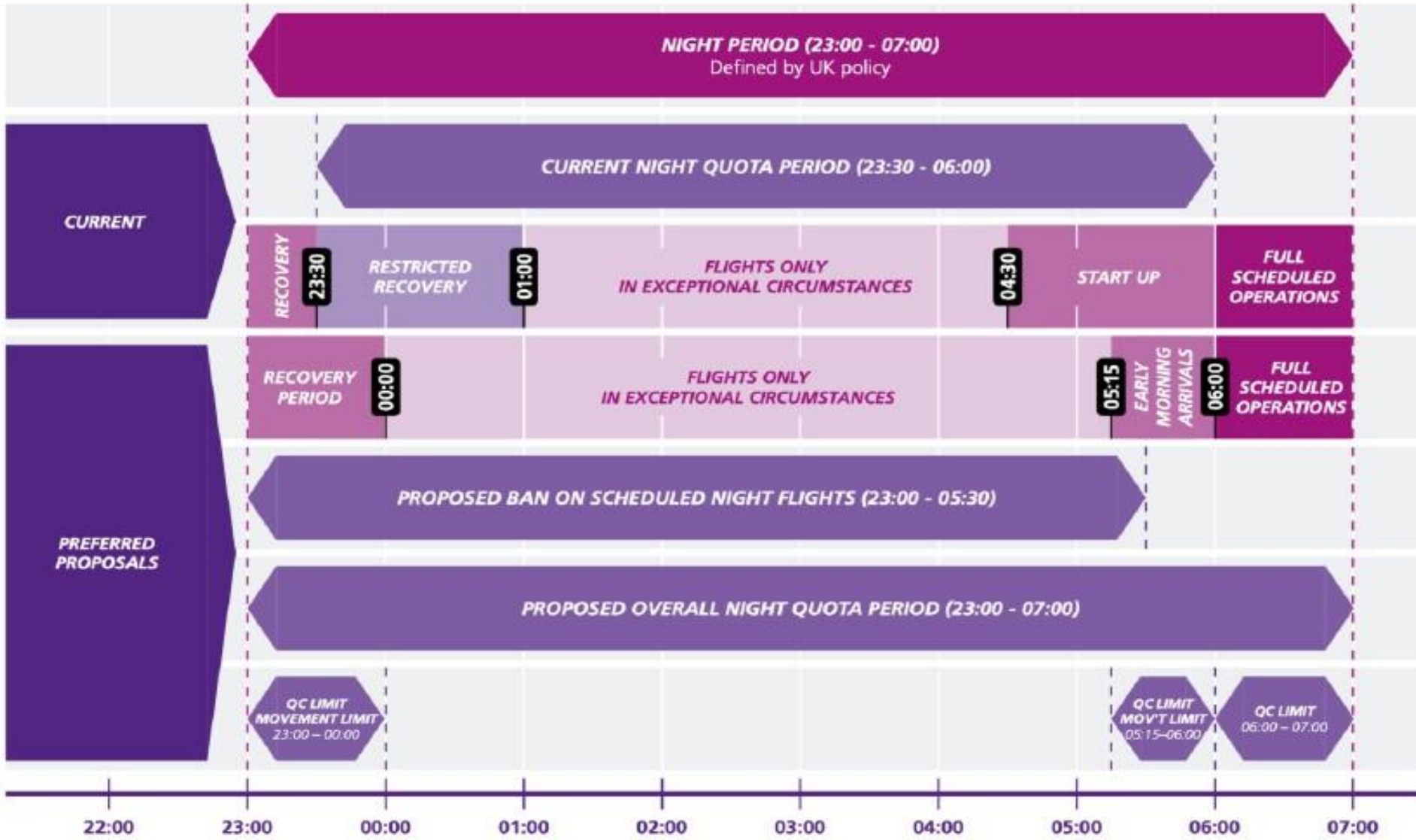
1. Reduce Late Runners and other unscheduled flights
2. Reduce flights in early morning shoulder
3. Reduce noisiest aircraft e.g. add ban of unscheduled QC4 aircraft to existing ban on scheduled QC4 aircraft 23:00 to 0700

Night Flight Ban

Scheduled and Unscheduled Flights

23:00 to 07:00

Figure 4.9: Preferred Proposals for Future Night Flight Operations



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Night Flights – Summer 2018 Schedule

Master Plan 2019

Route	Airline										
	BA	CX	VS	QF	MH	SV	SQ	UA	WY	BI	10
Hong Kong	0450 0530	0540	0530								
Los Angeles	0525										
Singapore	0505 0550						0555				
Riyadh	0535										
Johannesburg	0530										
Kuala Lumpur	0525				0555						
Chicago								0555			
Dubai	0555 (1)									0555 (1)	
Perth				0505							
	9	9									

Note: numbers in brackets are flights per week - all others are 7 days Source SDR 5 page 45 Figure 7

Night Flights – Winter 2018 Schedule

Master Plan 2019

Route	Airline									9
	BA	CX	VS	QF	MH	SV	SQ	UA	WY	
Hong Kong	0450		0455							
Hong Kong	0455	0500								
Cape Town	0445									
Lagos	0450									
Sydney	0455									
Melbourne				0505						
Singapore	0515						0555			
Riyadh	0525					0555 (1)				
Johannesburg	0525									
Accra	0530									
Kuala Lumpur	0535				0535					
Jeddah						0545 (3)				
Bahrain	0555 (1)									
Washington	0555 (1)									
Chicago							0555 (4)			
Muscat									0555	
	15	12								

Note: numbers in brackets are flights per week - all others are 7 days Source SDR 5 page 45 Figure 8

Winter only cities: Cape Town, Lagos, Sydney, Melbourne, Accra, Bahrain, Washington, Muscat
 Summer only cities: Perth and Dubai

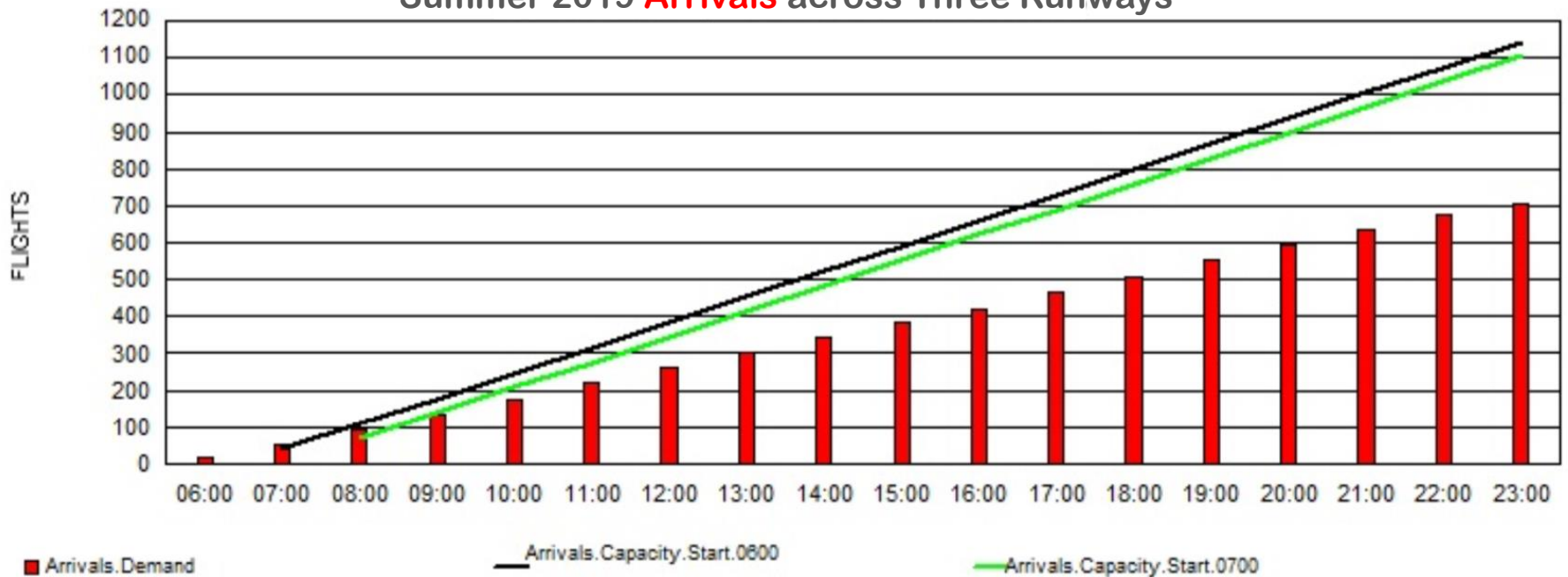
8 Hour Ban on Scheduled and Unscheduled Night Flights 23:00 to 07:00 (RHC Proposal)

1. The reduction of harm from the noise impact on sleep, health and productivity is an imperative, especially for the most vulnerable such as children and those nearest the airport with the highest noise exposure.
2. Calculations show that using the expanded capacity, all 14.7 scheduled flights before 0600 could be re-timed between 0700 and 0800. Furthermore, all 70 flights before 0700 could be re-timed before 0900. In practice, most if not all the routes flown before 0700 have more than one flight later in the day.
3. Those airlines re-timing their night flights to later in the day could be given priority over choice of slots created by Heathrow's expansion.

Heathrow Cumulative Hourly Capacity and Re-timed Night Flight Demand

Summer 2019 Arrivals across Three Runways

Heathrow Cumulative Hourly Capacity and Re-timed Night Flight Demand Summer 2019 Arrivals across Three Runways

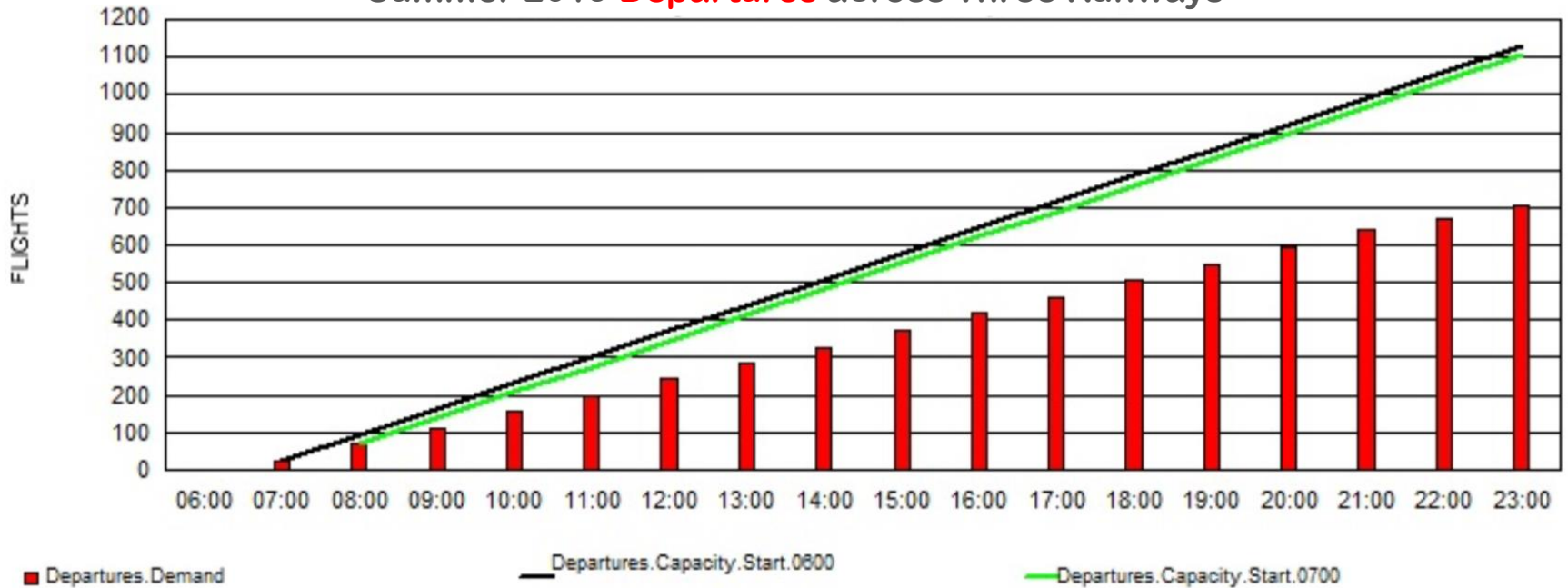


Source: Richmond Heathrow Campaign

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Heathrow Cumulative Hourly Capacity and Re-timed Night Flight Demand Summer 2019 **Departures** across Three Runways



Source: Richmond Heathrow Campaign

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8 Hour Ban on Scheduled and Unscheduled Night Flights 23:00 to 07:00 (RHC Proposal)

1. The ban is based on 138 flights an hour and as such meets the APNS requirement of 740,000 flights a year.
2. A loss of around 500,000 International-to-international (I-I) transfer passengers out of 1.84 million night flight passengers a year would have no negative impact on the UK.
3. Any ban of less than 8 hours continues night noise into the night shoulder periods which is unacceptable.
4. HAL's proposal for a 6 1/2 hour ban from 23:00 to 05:30 double counts the respite that already should be available between 23:00 and 23:30 when there are no scheduled flights.

8 Hour Ban on Scheduled and Unscheduled Night Flights 23:00 to 0700 (Implications)

1. The Airports Commission said in its Final Report 2015 (para 14.29): “A review of existing schedules at Heathrow suggests that there would be no insurmountable demand or supply-side barriers to providing alternative overnight services to arrive after 6:00am.”
2. What is so special about the 13 destinations that they require night flight arrivals in the 65 minutes between 04:50 and 05:55 whereas 179 destinations are without night flights? daytime.

8 Hour Ban on Scheduled and Unscheduled Night Flights 23:00 to 0700 (Implications)

3. Heathrow is served by more than 30 destinations in the Far East. So why do only 6 need pre-06:00 access to Heathrow?
4. Why should Heathrow bear the burden of this noise when there would be no noise impact at the originating Far Eastern and US airports if flights departed later?
5. Why do not equally or more dense routes than the 13 destinations require night time arrivals?
6. There is really no good reason to justify night flights other than the DfT allows them.

Recommendations

Recommendations

1. Immediate Action is needed to:
 - a. Reduce Late Runners
 - b. Reduce flights in the early morning shoulder
 - c. Reduce noisiest aircraft

2. A night time Ban 23:00 to 07:00 is a health imperative
 - a. HAL's proposed ban 23:00 to 5:30 double counts the 23:00 to 23:30 shoulder where there are already no shoulder flights. At the very least the ban should be 23:30 to 06:00 (runway times)
 - b. There is no economic or other reason for night flights
 - c. The 15 flights 23:30 to 06:00 plus the 55 flights 06:00 to 07:00 can and should all be time shifted to the available 3R capacity in the period 07:00 to 09:00

Richmond Heathrow Campaign



QUESTIONS?