

# Heathrow Airport (LHR)

## Summer 2017 (S17)



### Start of Season Report

Report Date: Fri 17-Mar-2017

#### Headlines

	S17 Start	vs. S16 Start	vs. S16 End
Total Air Transport Movements (Passenger & Freight)	294094	▲ 0.0%	▲ 1.2%
Total Passenger Air Transport Movements	292183	▼ -0.1%	▲ 1.0%
Total Passenger Air Transport Movement Seats	62598693	▼ -0.3%	▲ 1.8%
Average Seats per Passenger Air Transport Movement	214.24	▼ -0.2%	▲ 0.8%
Percentage of allocated slots cleared as requested (OK)	99.7%		

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S16 scheduling season runs from Sun 27-Mar-2016 to Sat 29-Oct-2016 (217 days).

S17 scheduling season runs from Sun 26-Mar-2017 to Sat 28-Oct-2017 (217 days).

#### Disclaimer

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# Runway Scheduling Limits



## Declared Hourly Movement Capacity

S16 Arrivals								Change: S16 to S17								S17 Arrivals							
05	39	39	39	39	39	39	39	05								05	39	39	39	39	39	39	39
06	39	39	39	39	39	39	39	06								06	39	39	39	39	39	39	39
07	37	37	37	37	37	37	37	07								07	37	37	37	37	37	37	37
08	44	44	44	44	44	44	44	08	1	1	1	1	1	1	1	08	45	45	45	45	45	45	45
09	39	39	39	39	39	39	39	09	2	2	2	2	2	2	2	09	41	41	41	41	41	41	41
10	39	39	39	39	39	39	39	10	1	1	1	1	1	1	1	10	40	40	40	40	40	40	40
11	42	42	42	42	42	42	42	11	-2	-2	-2	-2	-2	-2	-2	11	40	40	40	40	40	40	40
12	42	42	42	42	42	42	42	12	1	1	1	1	1	1	1	12	43	43	43	43	43	43	43
13	41	41	41	41	41	41	41	13								13	41	41	41	41	41	41	41
14	42	42	42	42	42	42	42	14	-1	-1	-1	-1	-1	-1	-1	14	41	41	41	41	41	41	41
15	44	44	44	44	44	44	44	15								15	44	44	44	44	44	44	44
16	42	42	42	42	42	42	42	16	-1	-1	-1	-1	-1	-1	-1	16	41	41	41	41	41	41	41
17	45	45	45	45	45	45	45	17								17	45	45	45	45	45	45	45
18	43	43	43	43	43	43	43	18								18	43	43	43	43	43	43	43
19	40	40	40	40	40	40	40	19	1	1	1	1	1	1	1	19	41	41	41	41	41	41	41
20	42	42	42	42	42	42	42	20	-1	-1	-1	-1	-1	-1	-1	20	41	41	41	41	41	41	41
21	22	22	22	22	22	22	22	21								21	22	22	22	22	22	22	22

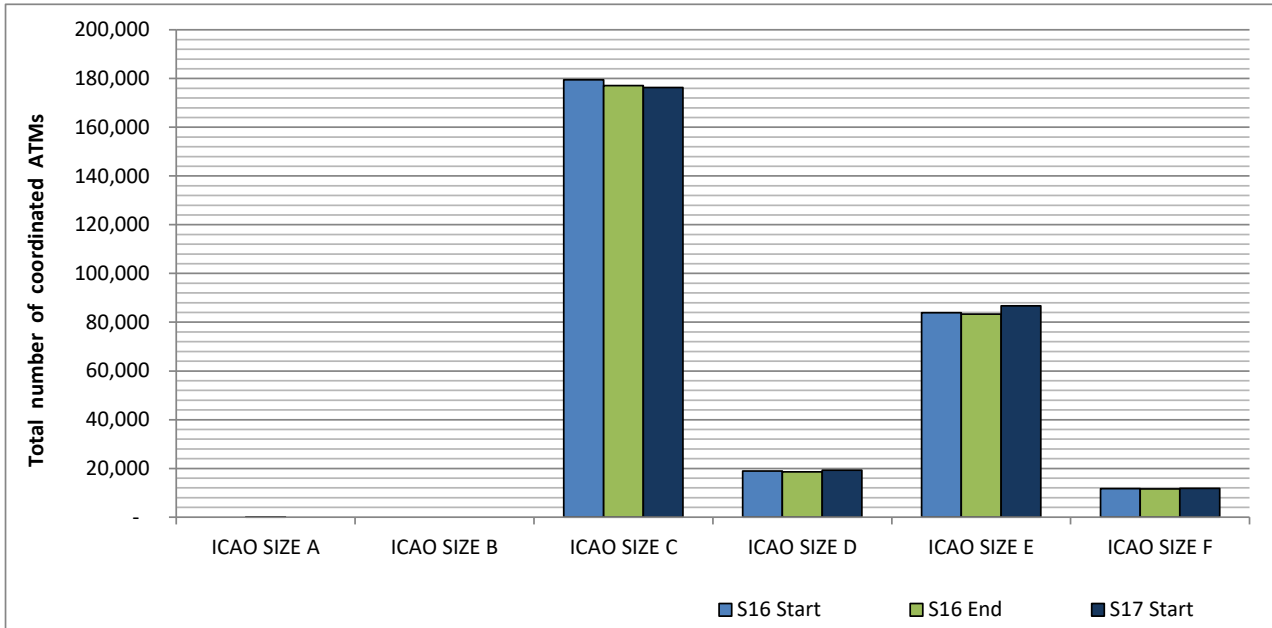
S16 Departures								Change: S16 to S17								S17 Departures							
Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun
UTC	1	2	3	4	5	6	7	UTC	1	2	3	4	5	6	7	UTC	1	2	3	4	5	6	7
05	25	25	25	25	25	25	25	05								05	25	25	25	25	25	25	25
06	45	45	45	45	45	45	45	06								06	45	45	45	45	45	45	45
07	42	42	42	42	42	42	42	07								07	42	42	42	42	42	42	42
08	45	45	45	45	45	45	45	08								08	45	45	45	45	45	45	45
09	43	43	43	43	43	43	43	09								09	43	43	43	43	43	43	43
10	42	42	42	42	42	42	42	10	2	2	2	2	2	2	2	10	44	44	44	44	44	44	44
11	42	42	42	42	42	42	42	11	-2	-2	-2	-2	-2	-2	-2	11	40	40	40	40	40	40	40
12	44	44	44	44	44	44	44	12								12	44	44	44	44	44	44	44
13	44	44	44	44	44	44	44	13	1	1	1	1	1	1	1	13	45	45	45	45	45	45	45
14	45	45	45	45	45	45	45	14	-1	-1	-1	-1	-1	-1	-1	14	44	44	44	44	44	44	44
15	44	44	44	44	44	44	44	15								15	44	44	44	44	44	44	44
16	43	43	43	43	43	43	43	16								16	43	43	43	43	43	43	43
17	42	42	42	42	42	42	42	17	2	2	2	2	2	2	2	17	44	44	44	44	44	44	44
18	46	46	46	46	46	46	46	18	-2	-2	-2	-2	-2	-2	-2	18	44	44	44	44	44	44	44
19	44	44	44	44	44	44	44	19								19	44	44	44	44	44	44	44
20	33	33	33	33	33	33	33	20	1	1	1	1	1	1	1	20	34	34	34	34	34	34	34
21	30	30	30	30	30	30	30	21	-1	-1	-1	-1	-1	-1	-1	21	29	29	29	29	29	29	29



# Full Season - Aircraft Size Analysis

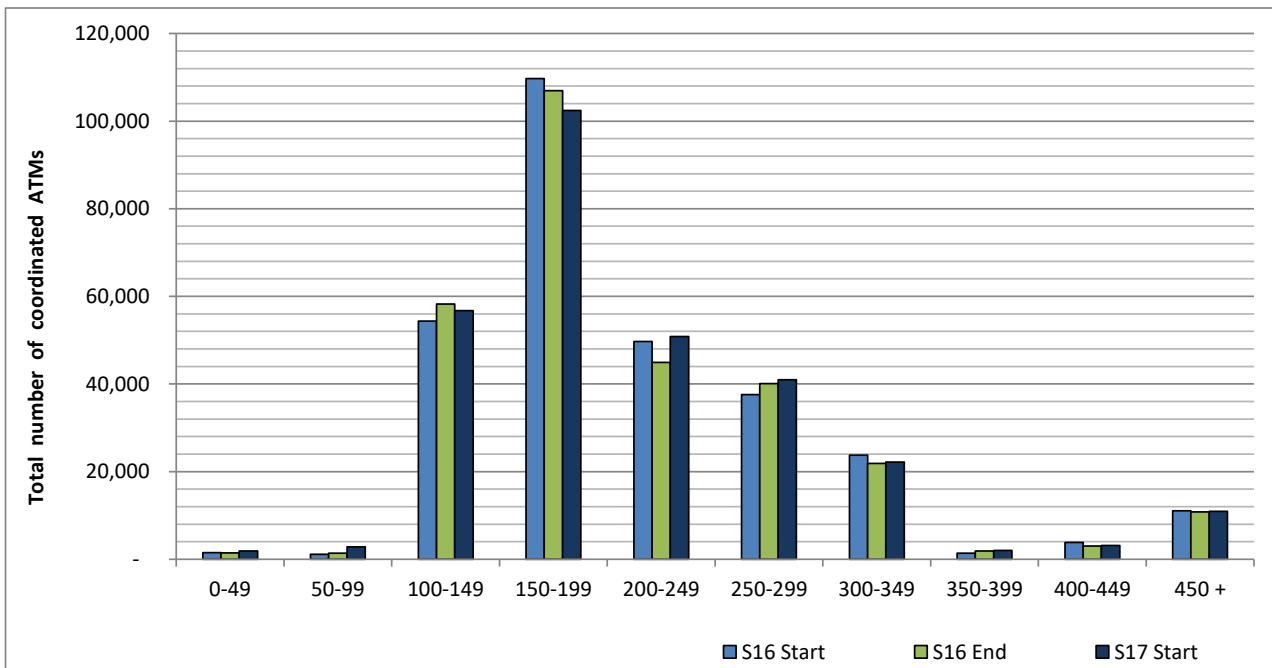


## ICAO size designation



Note: See Glossary for definitions of ICAO SIZE groupings

## Air Transport Movement seat distribution

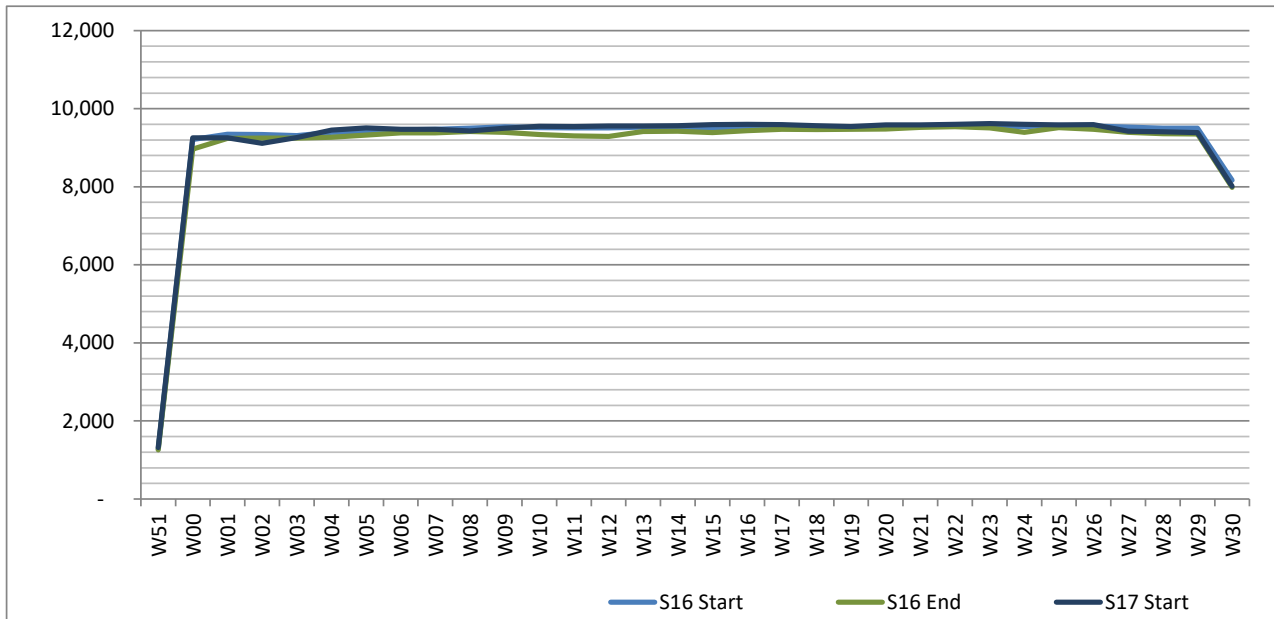


Note: FREIGHT-ONLY services with 0 seats are included in the first seat band '0-49'

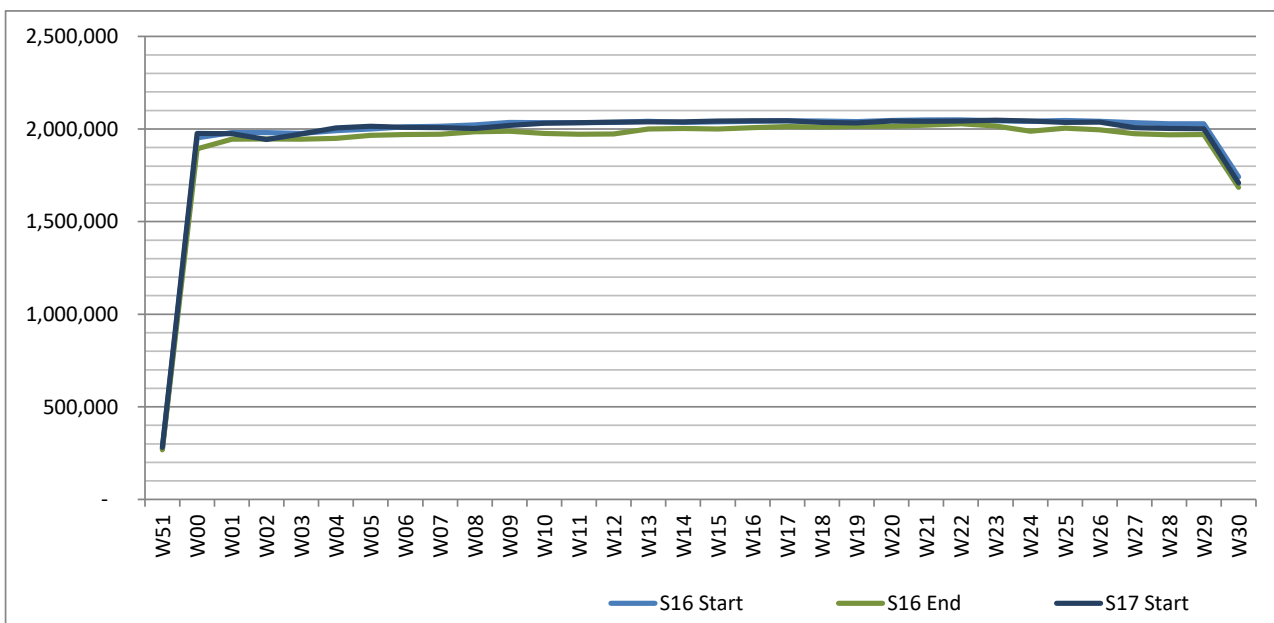
# Full Season - Seasonality



**Air Transport Movements by week of season**



**Air Transport Movement Seats by week of season**



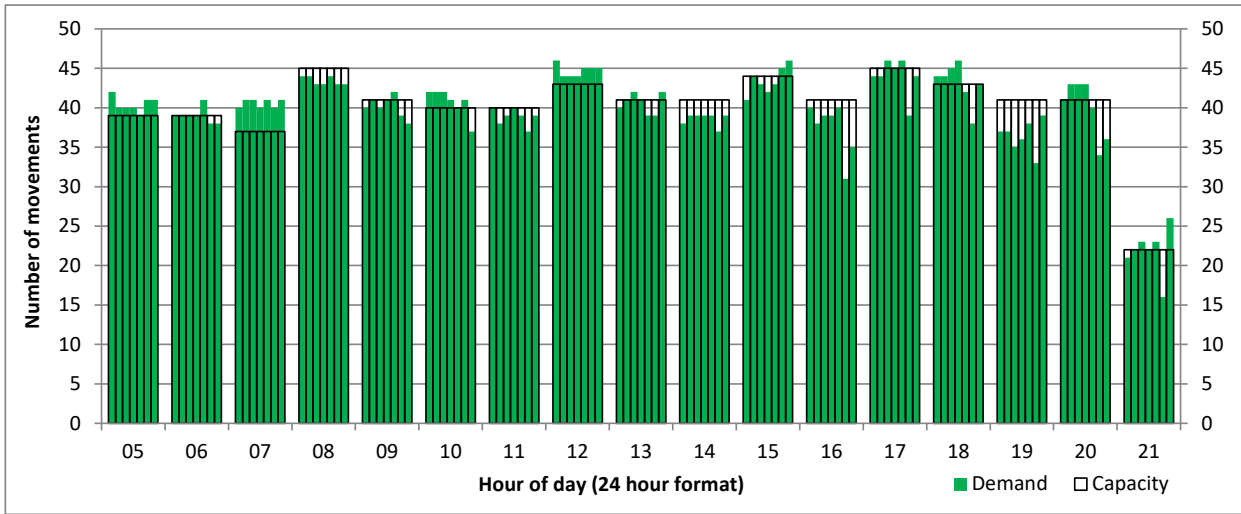
# Peak Week - Hourly Runway Demand

Schedule: S17 Start



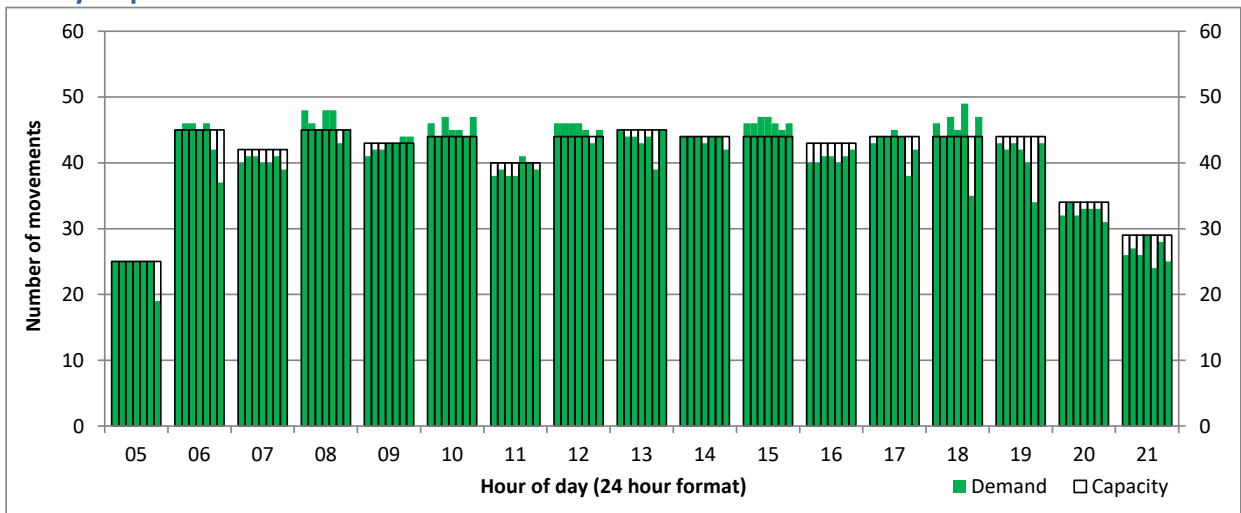
## Hourly Arrival Demand

Time: UTC



## Hourly Departure Demand

Time: UTC



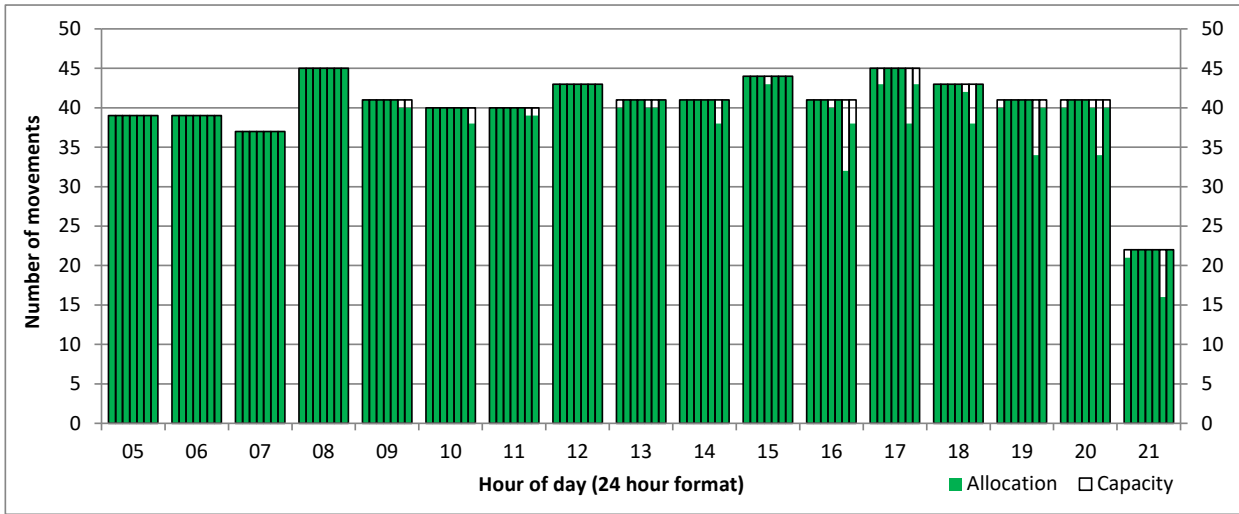
# Peak Week - Hourly Runway Allocation

Schedule: S17 Start



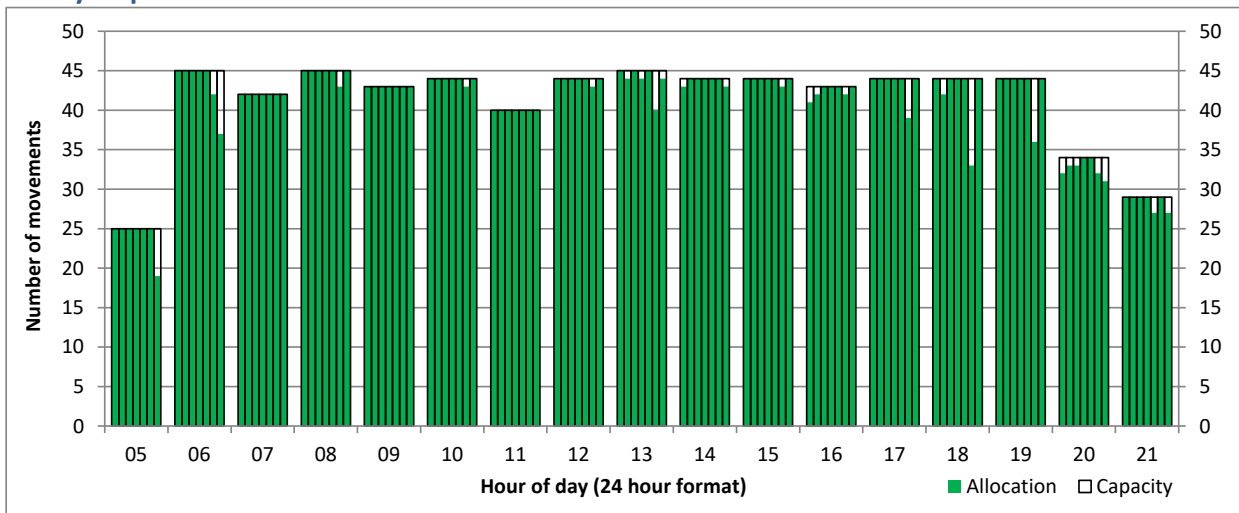
## Hourly Arrival Allocation

Time: UTC



## Hourly Departure Allocation

Time: UTC



# Peak Week - Passengers Histogram

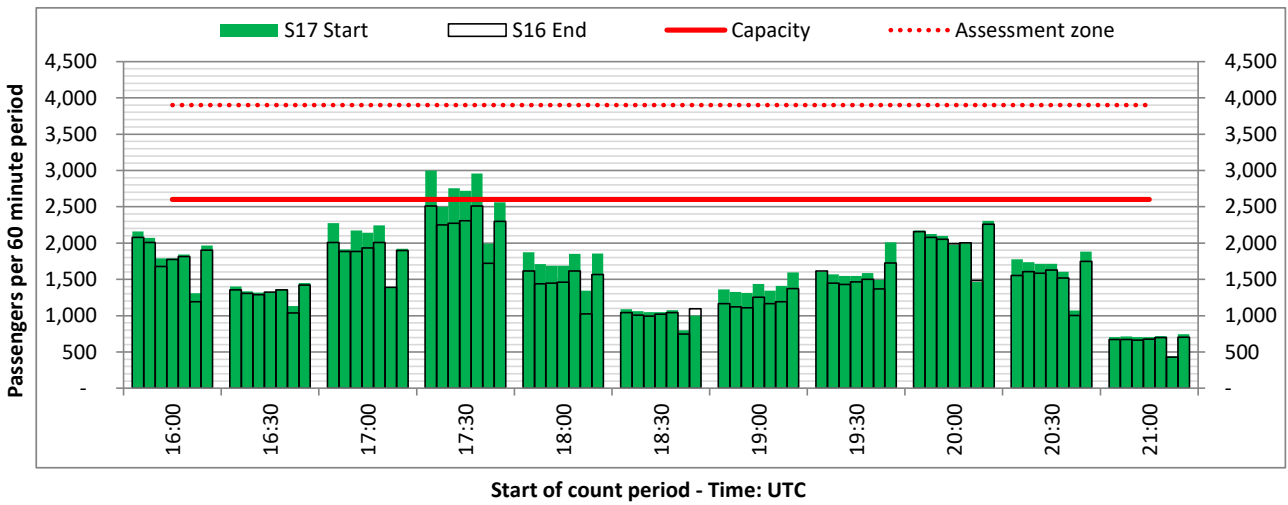
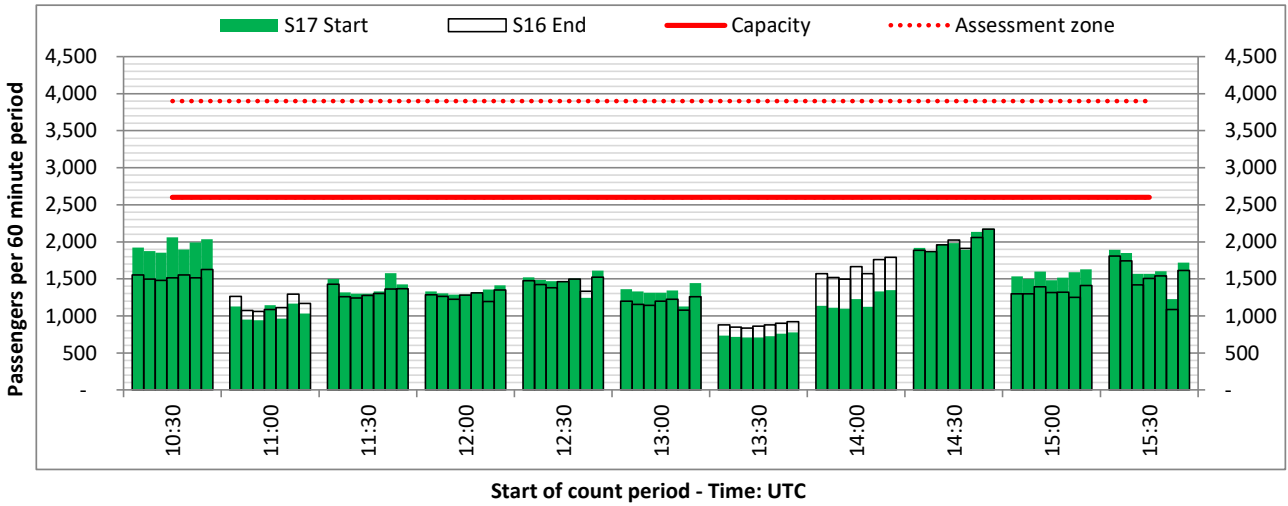
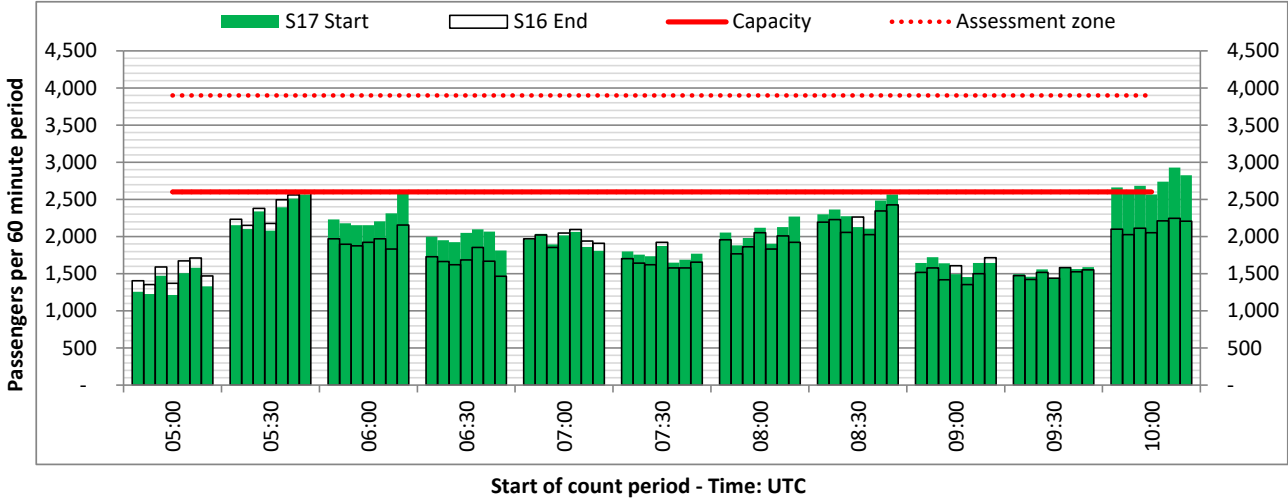
ARRIVAL - 60 minute count rolling every 30 mins (T60/30)



Terminals: 2I

Operators: All Operators

Days: 1234567





# Peak Week - Passengers Histogram

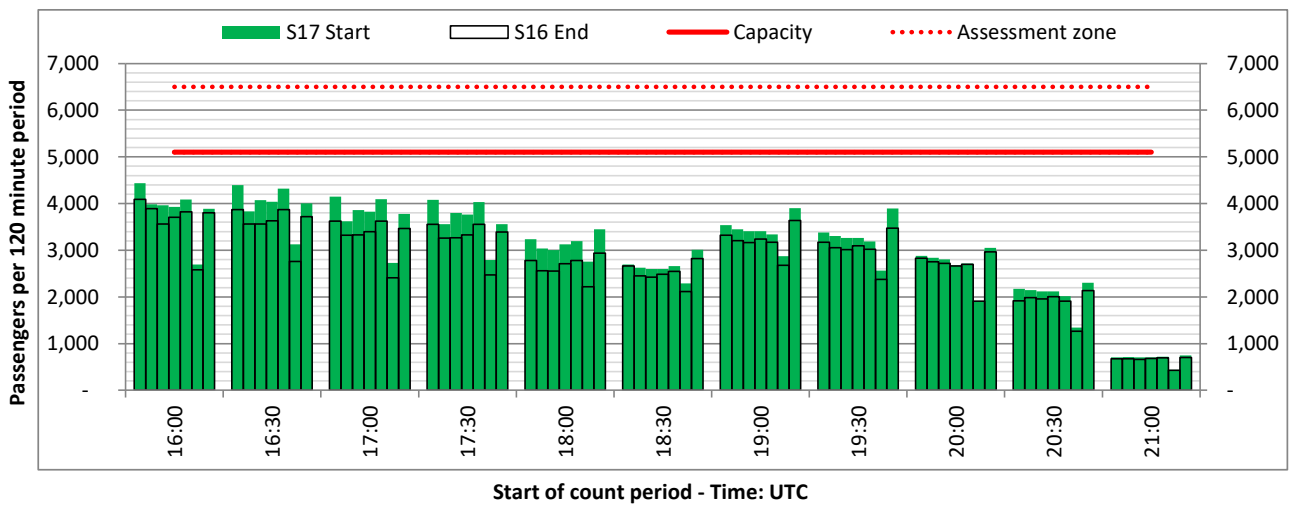
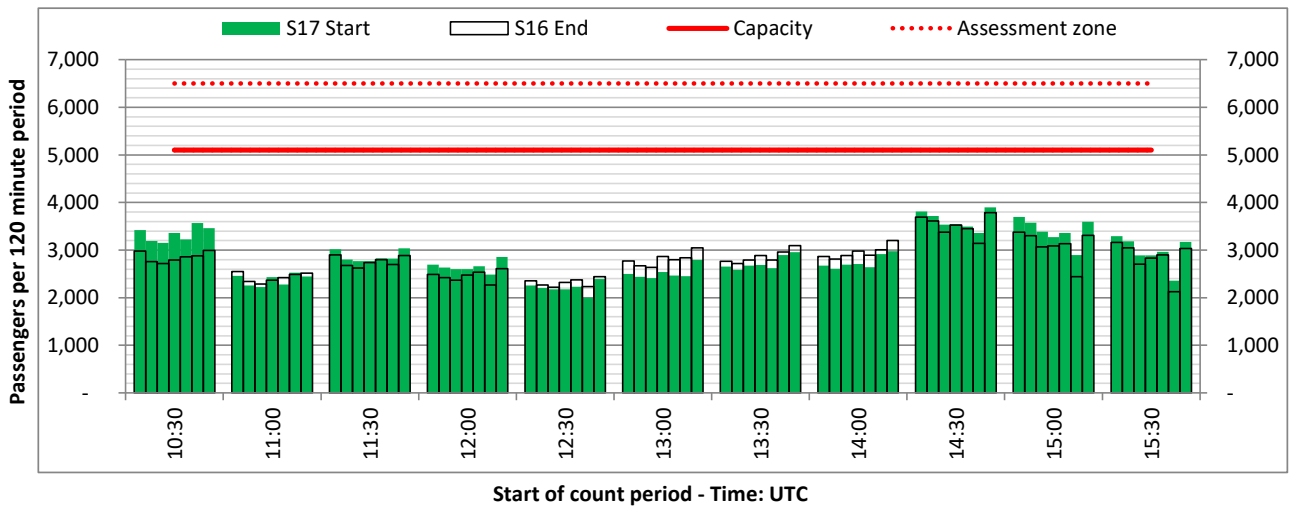
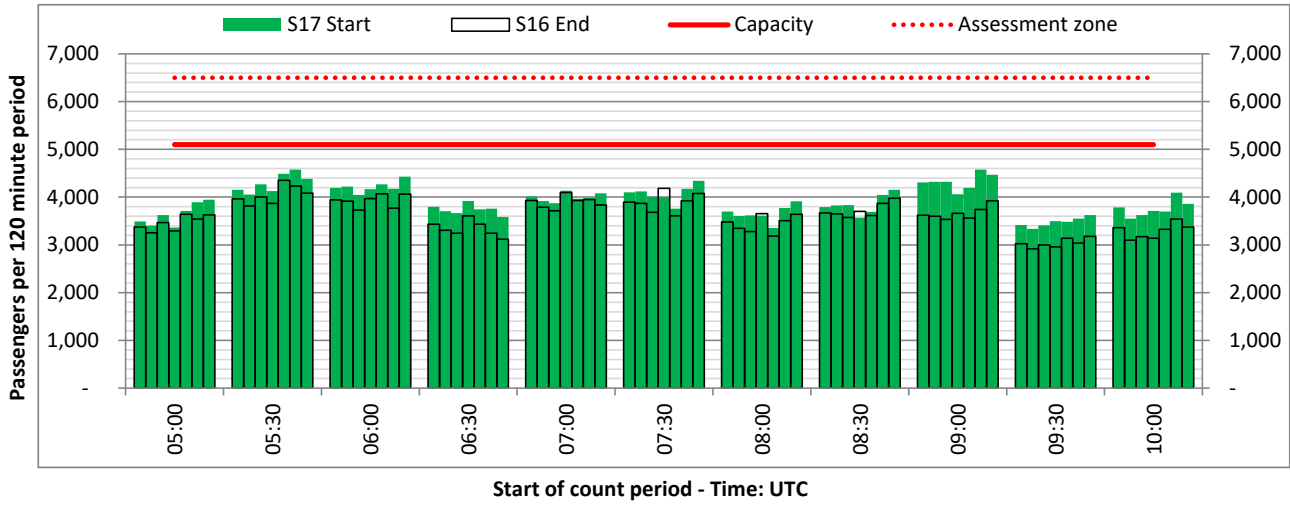
ARRIVAL - 120 minute count rolling every 30 mins (T2H/30)



Terminals: 2I

Operators: All Operators

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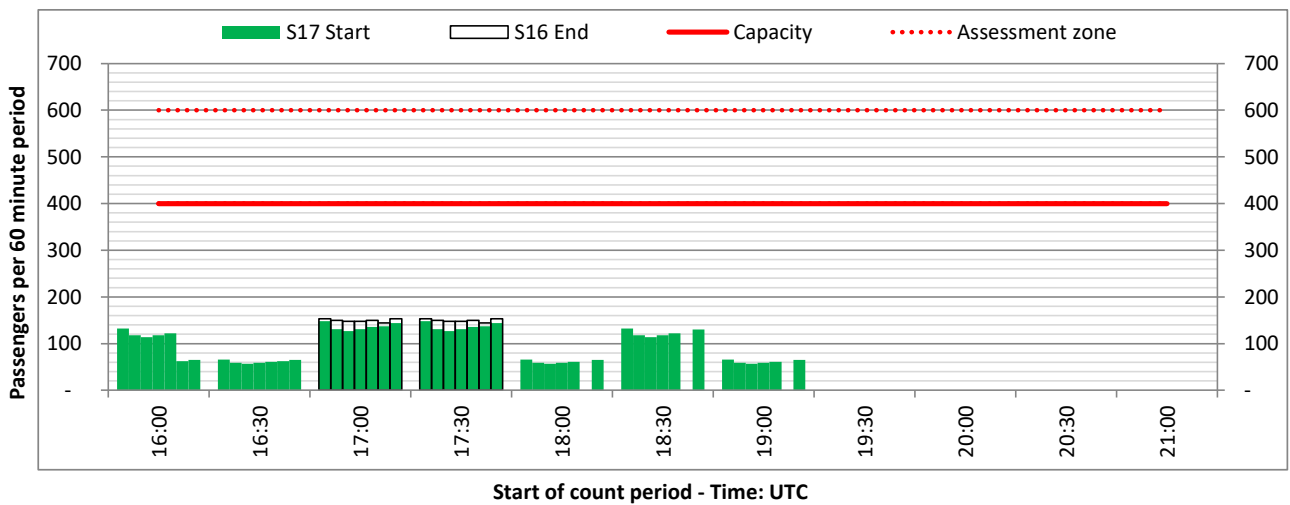
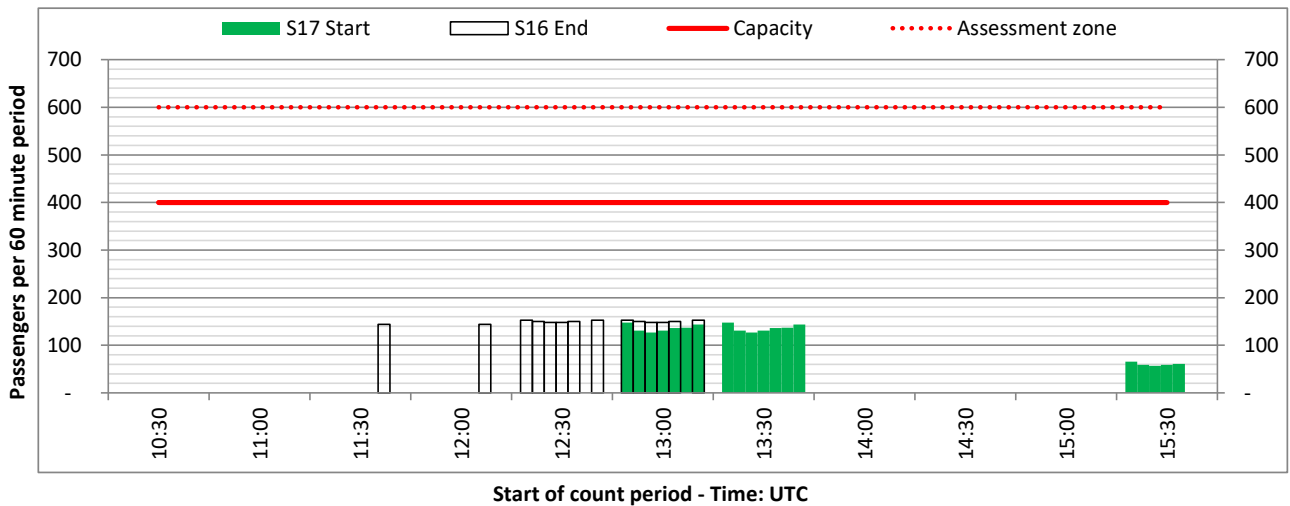
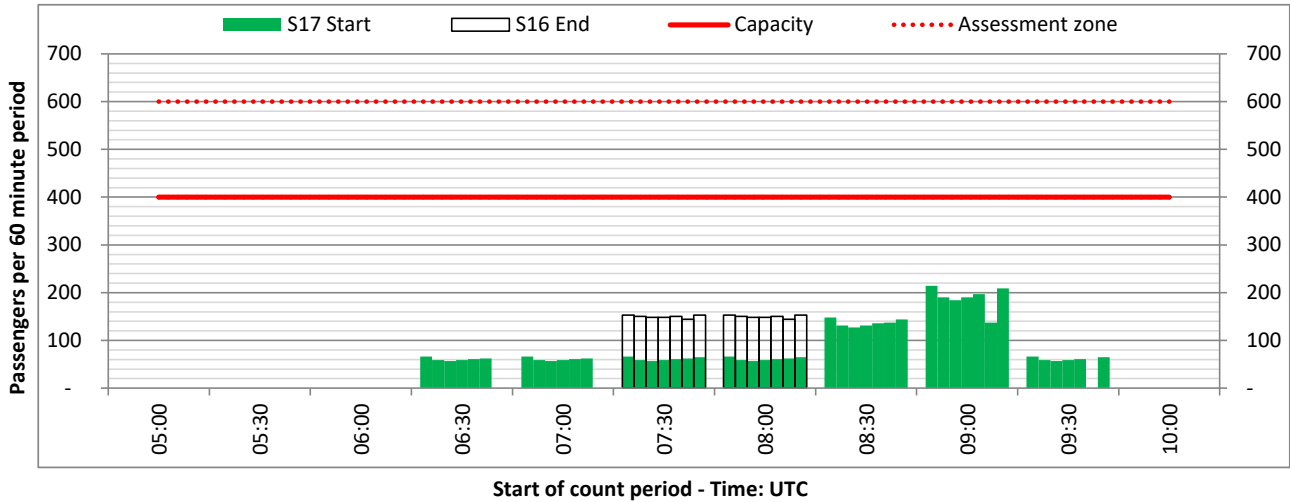
ARRIVAL - 60 minute count rolling every 30 mins (T60/30)



Terminals: 2D

Operators: All Operators

Days: 1234567



# Peak Week - Passengers Histogram

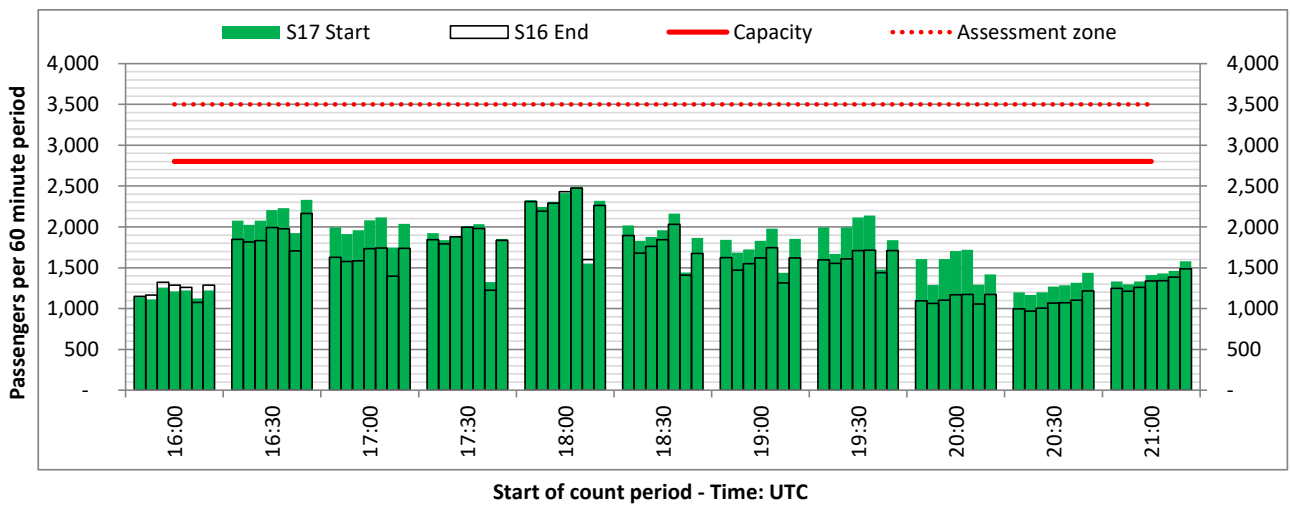
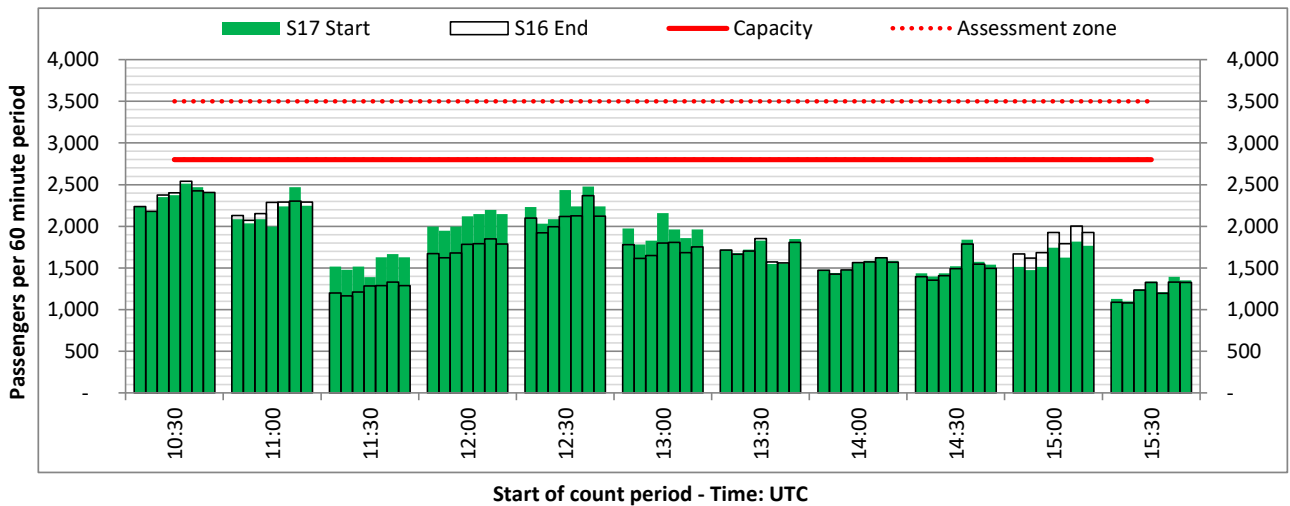
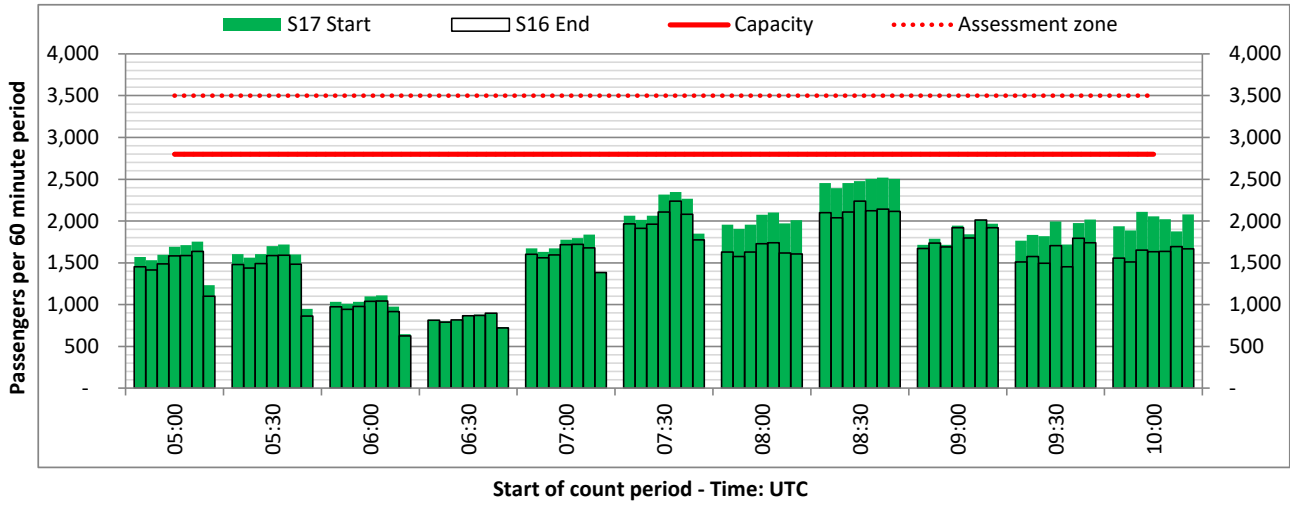
DEPARTURE - 60 minute count rolling every 30 mins (T60/30)



Terminals: 2D 2I

Operators: All Operators

Days: 1234567



# Peak Week - Passengers Histogram

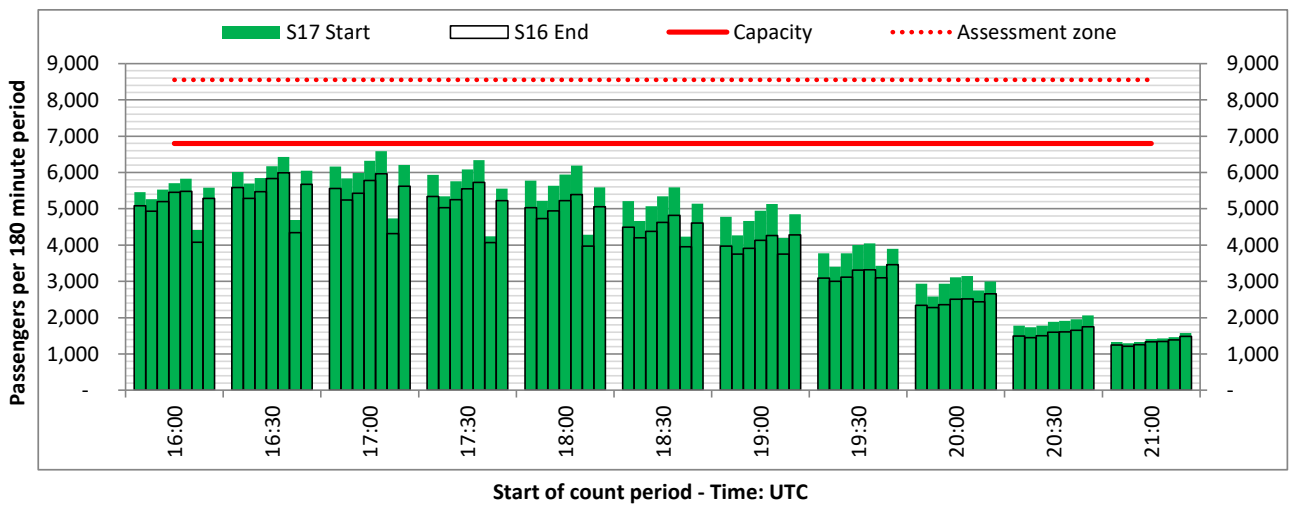
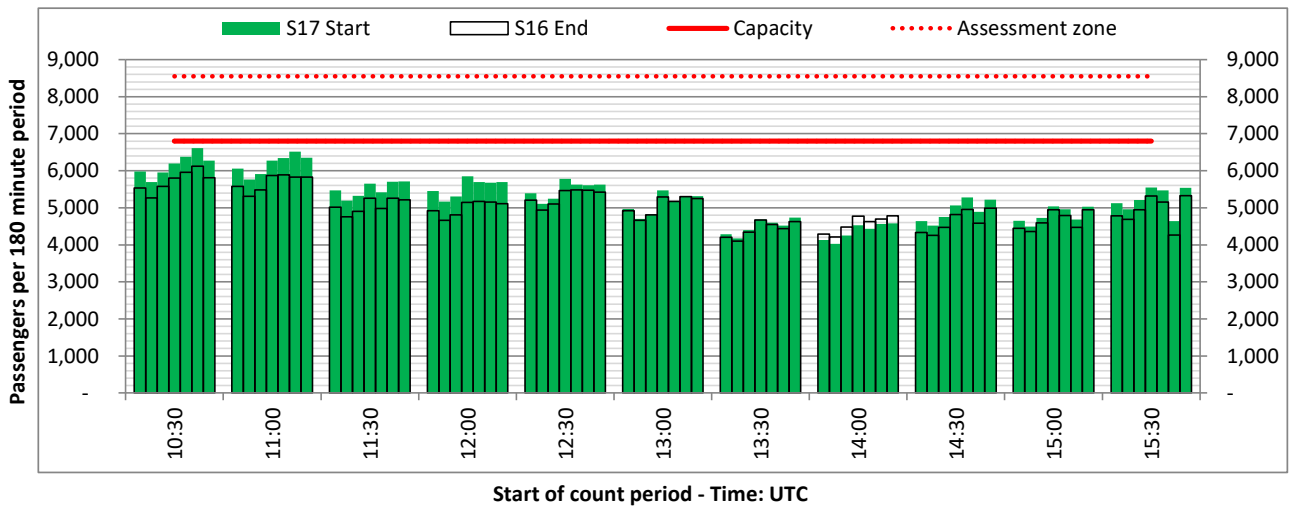
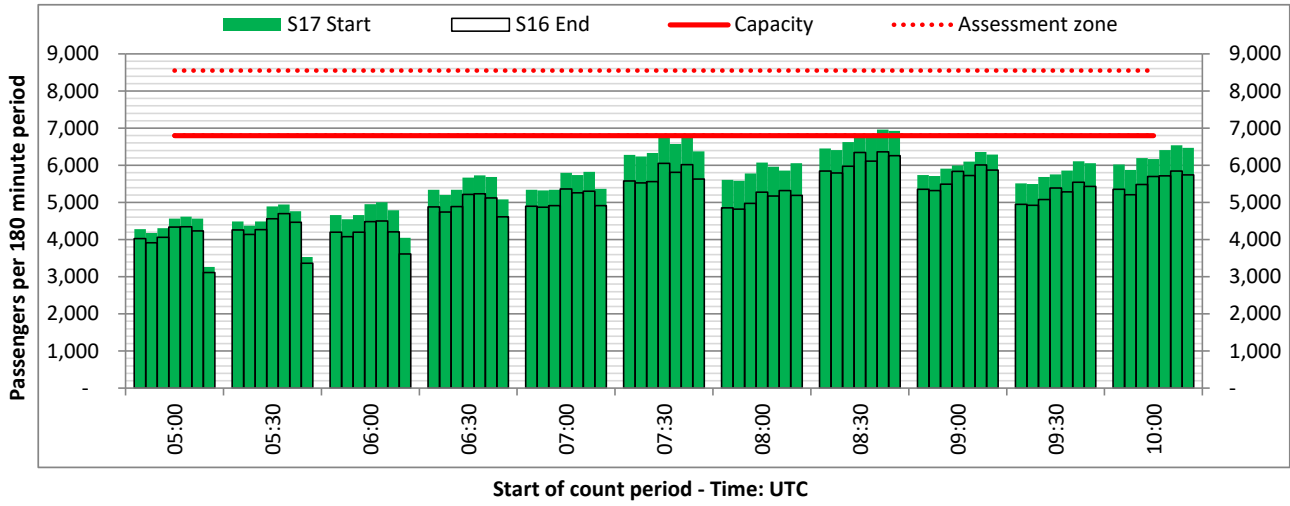
DEPARTURE - 180 minute count rolling every 30 mins (T3H/30)



Terminals: 2D 2I

Operators: All Operators

Days: 1234567



# Peak Week - Passengers Histogram

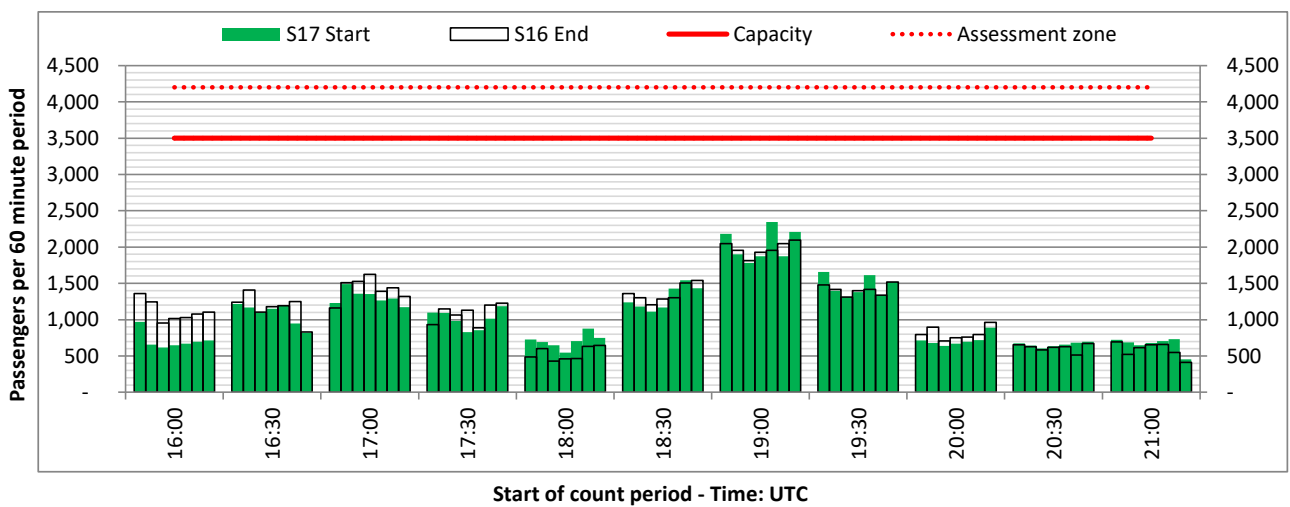
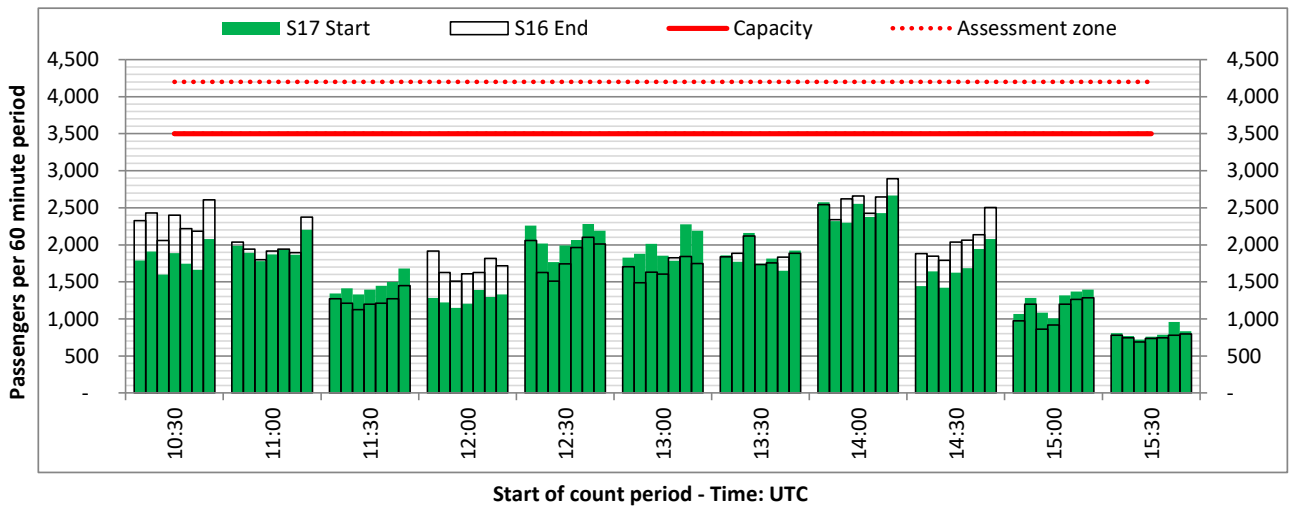
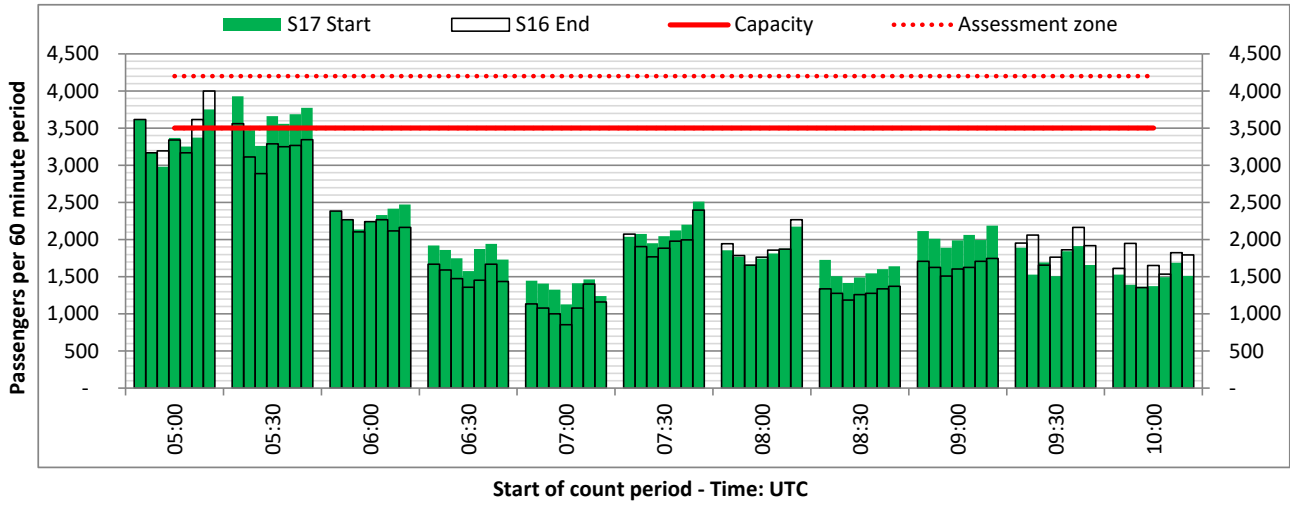
ARRIVAL - 60 minute count rolling every 30 mins (T60/30)



Terminals: 3I

Operators: All Operators

Days: 1234567



# Peak Week - Passengers Histogram

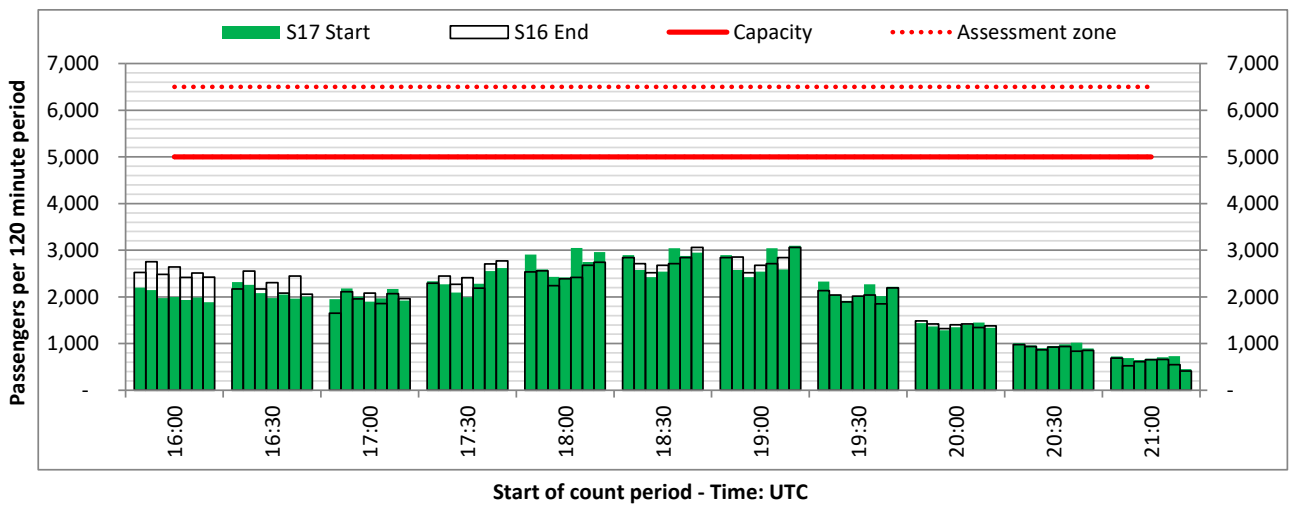
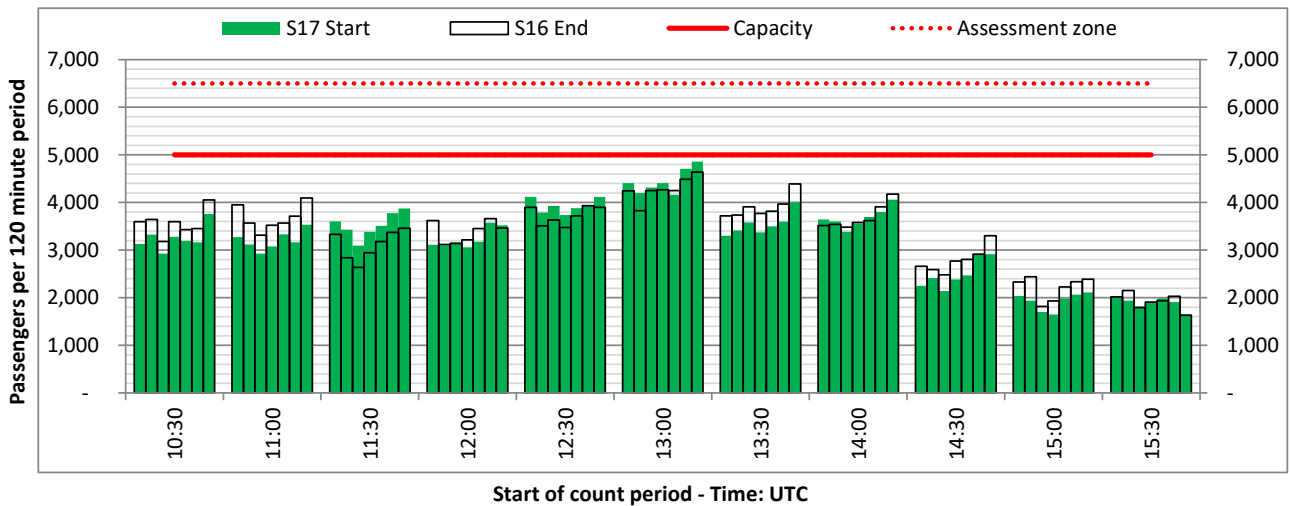
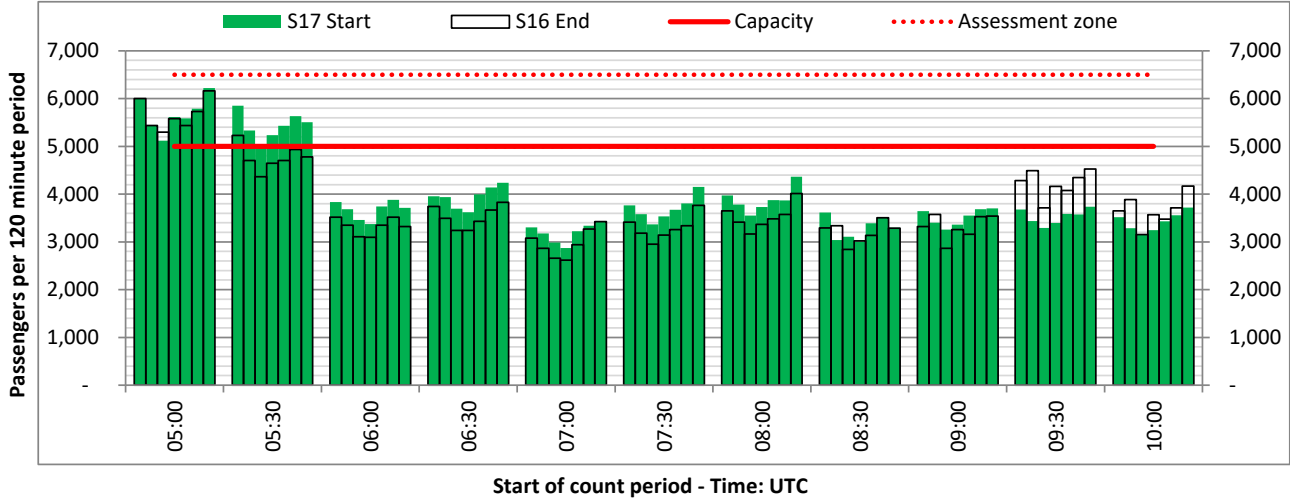
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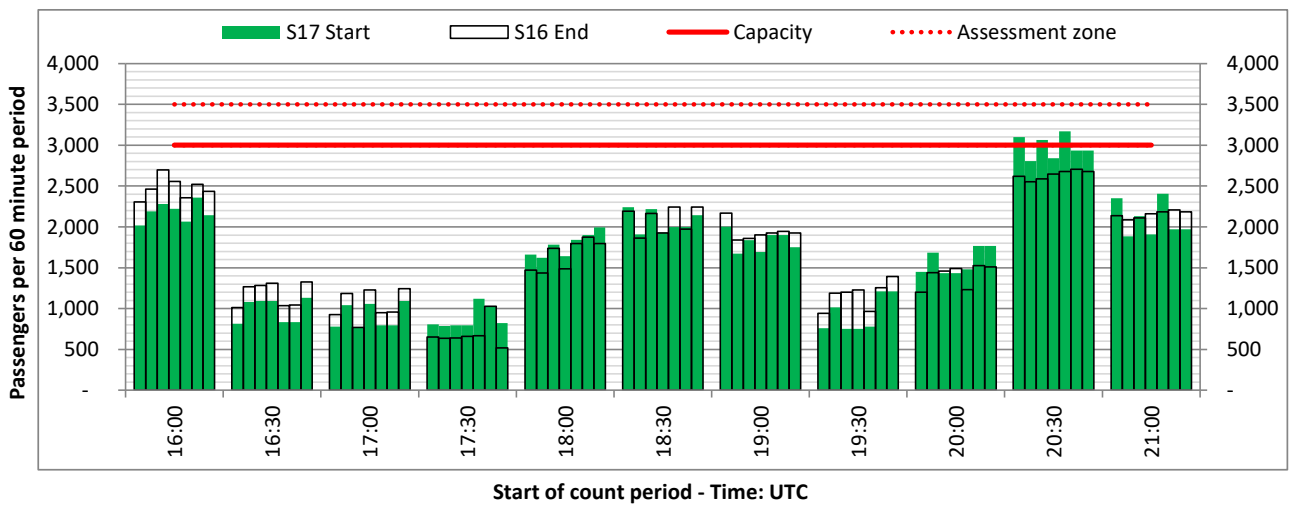
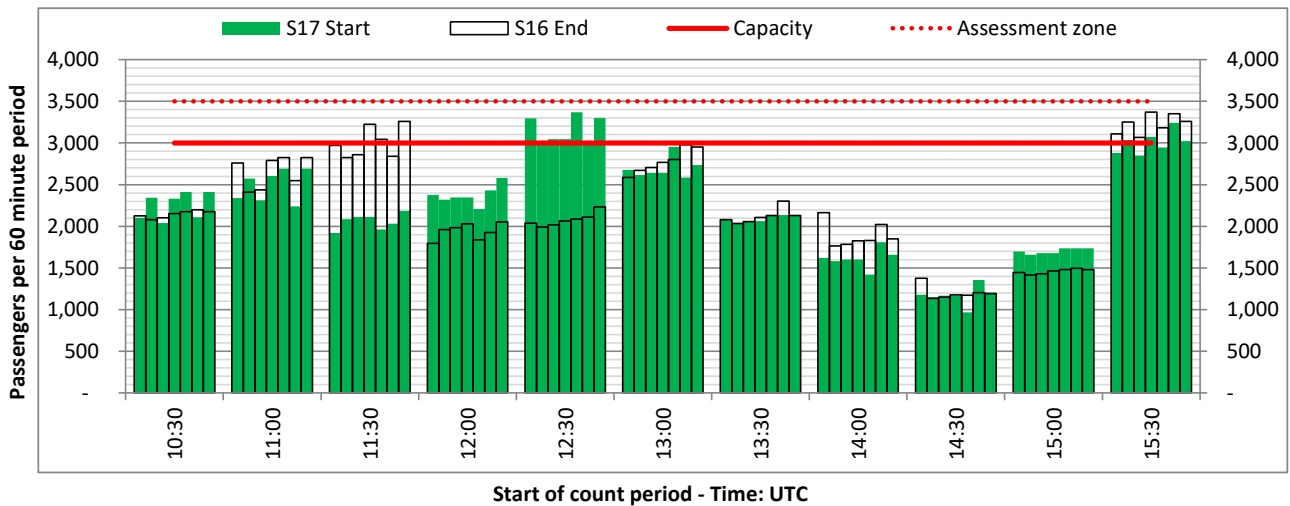
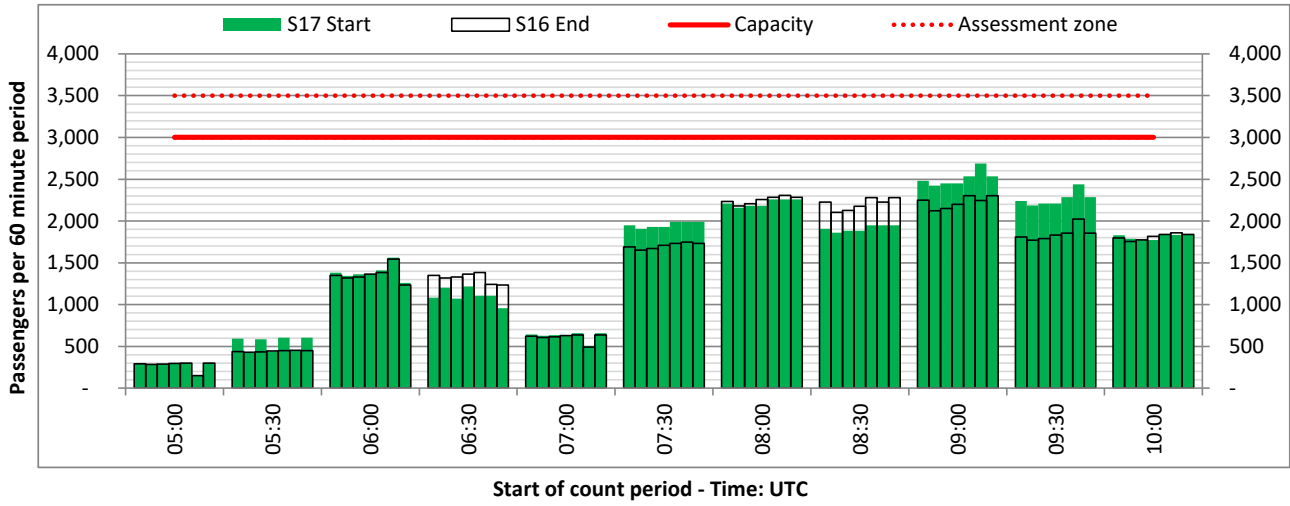
DEPARTURE - 60 minute count rolling every 30 mins (T60/30)



Terminals: 3I

Operators: All Operators

Days: 1234567



# Peak Week - Passengers Histogram

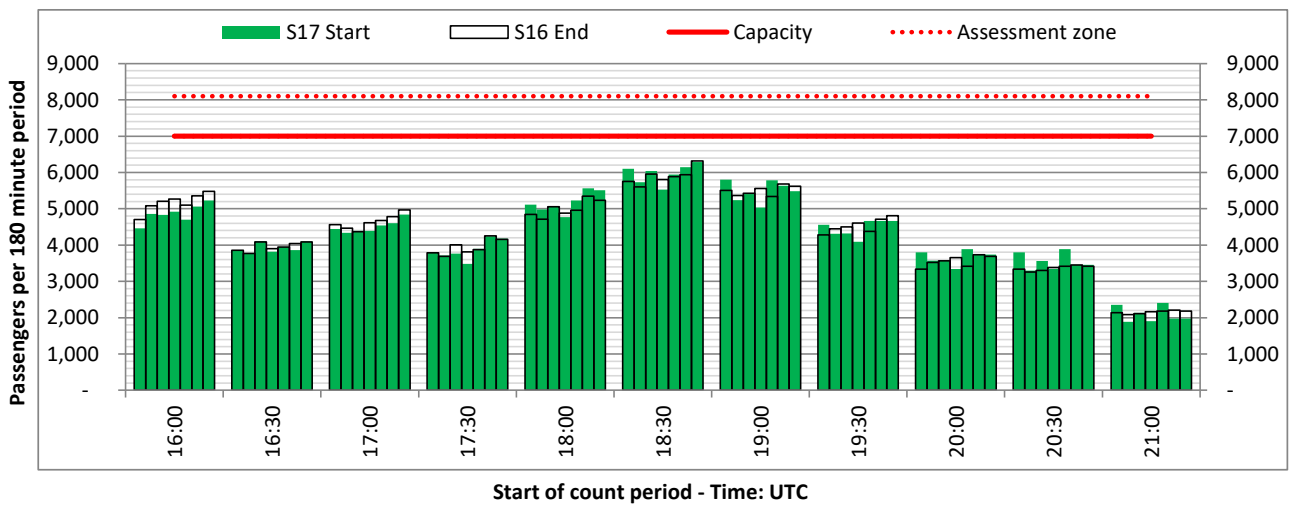
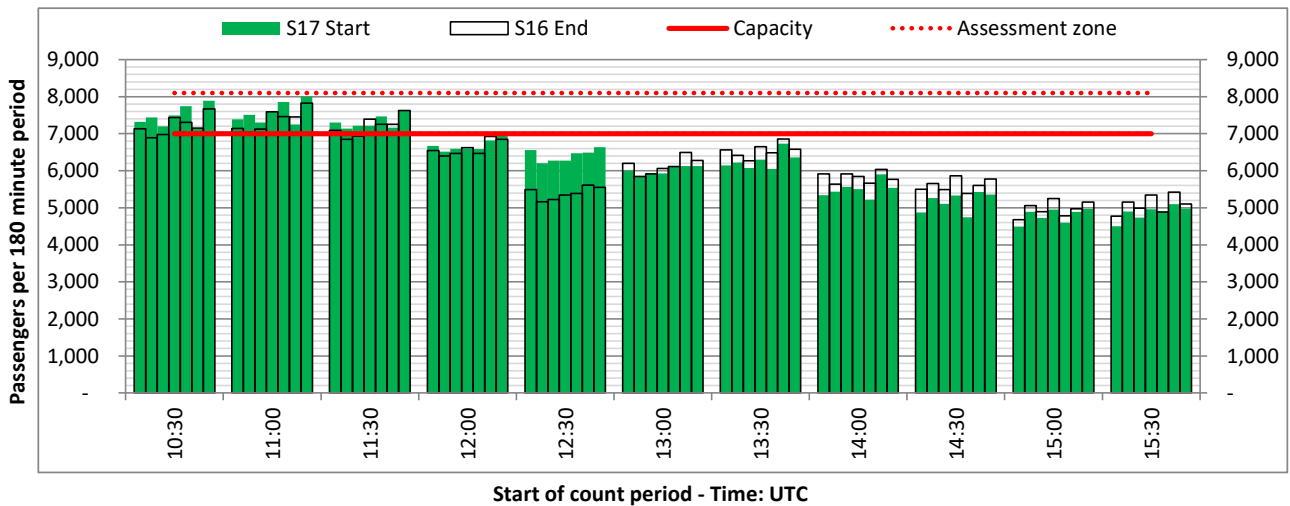
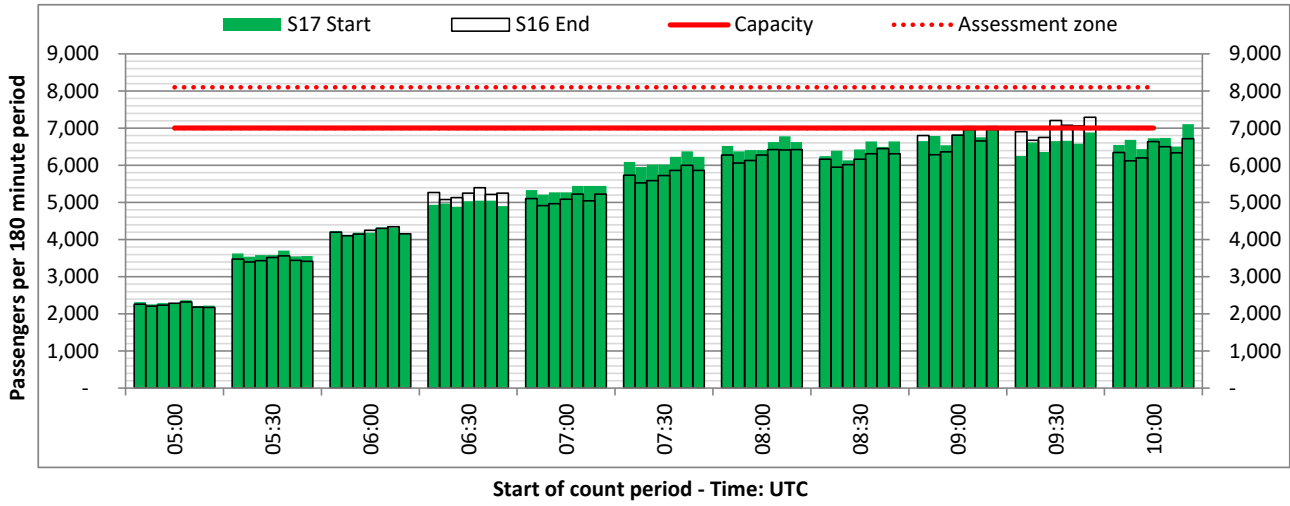
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# Peak Week - Passengers Histogram

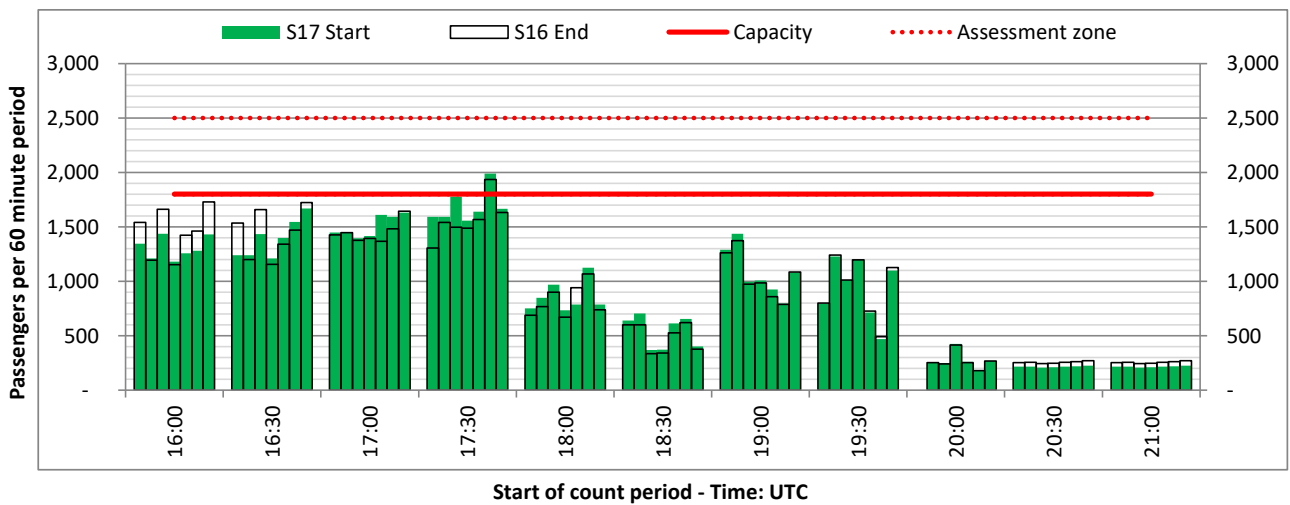
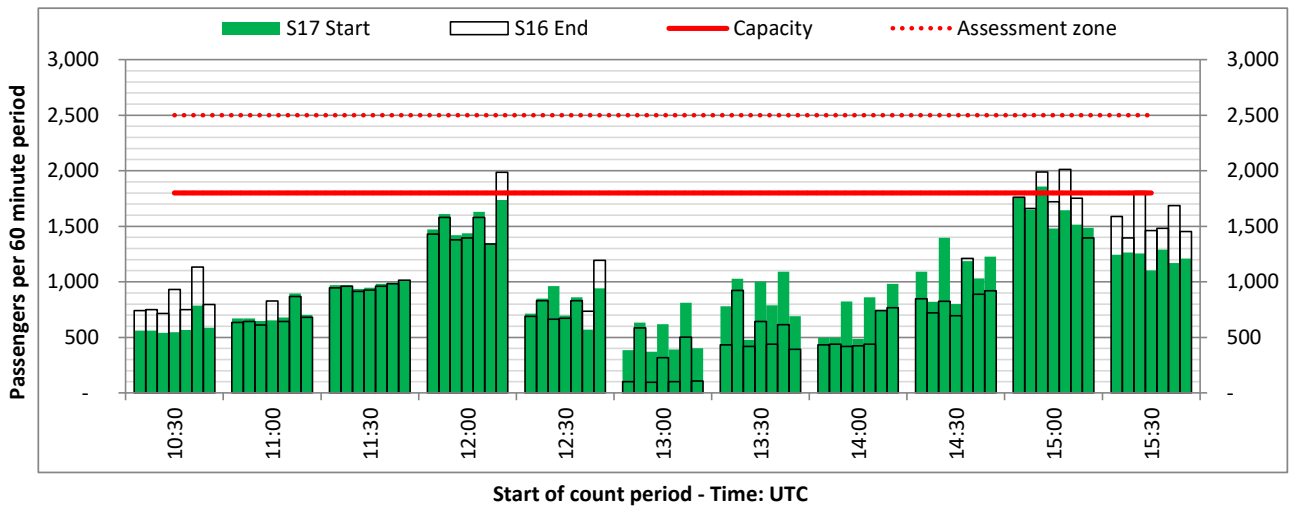
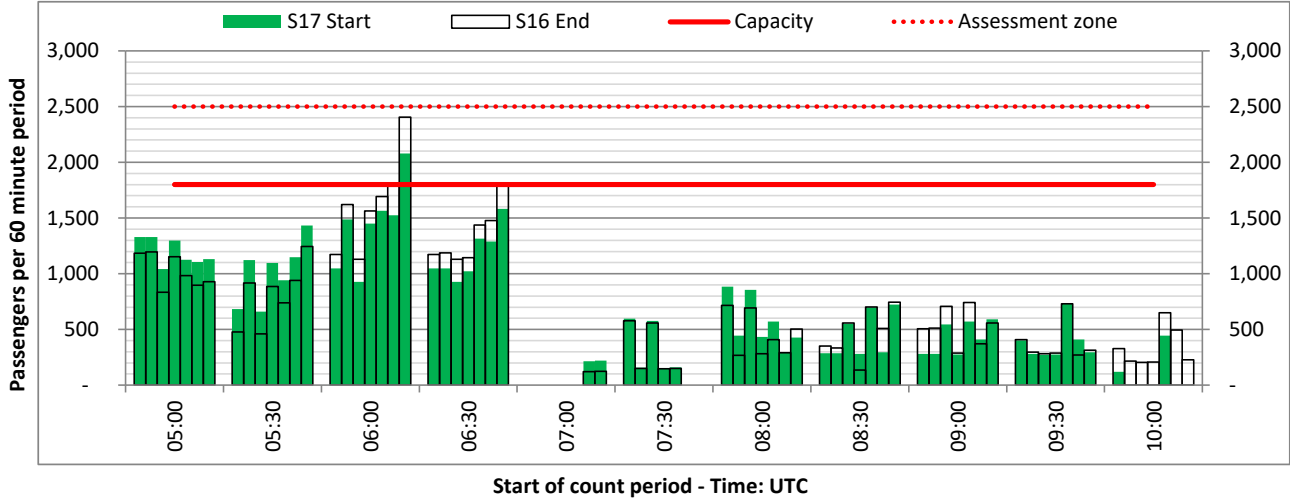
ARRIVAL - 60 minute count rolling every 30 mins (T60/30)



Terminals: 4I

Operators: All Operators

Days: 1234567



# Peak Week - Passengers Histogram

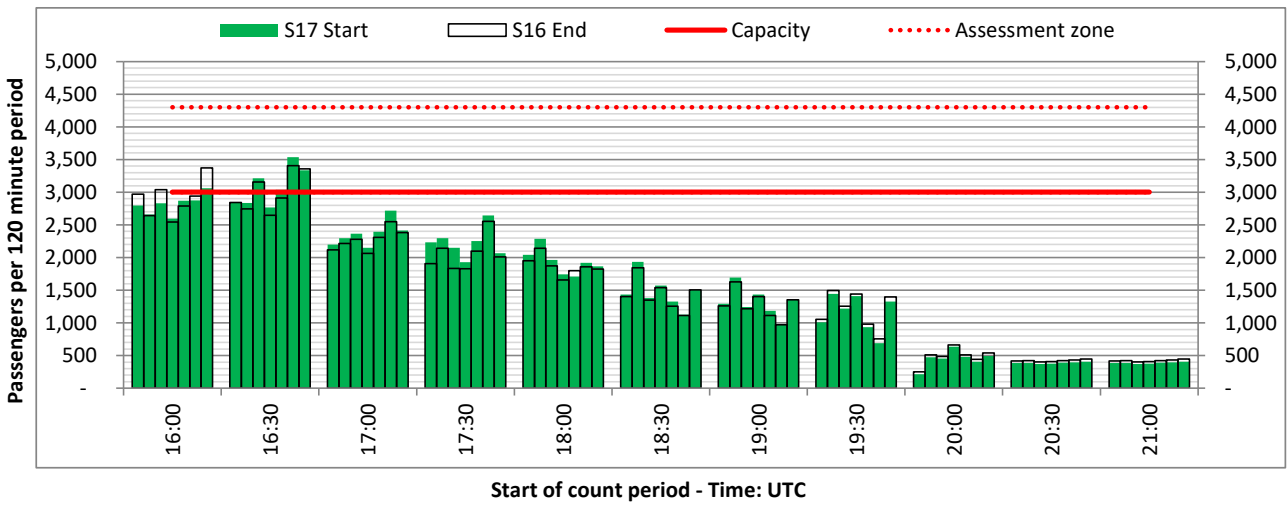
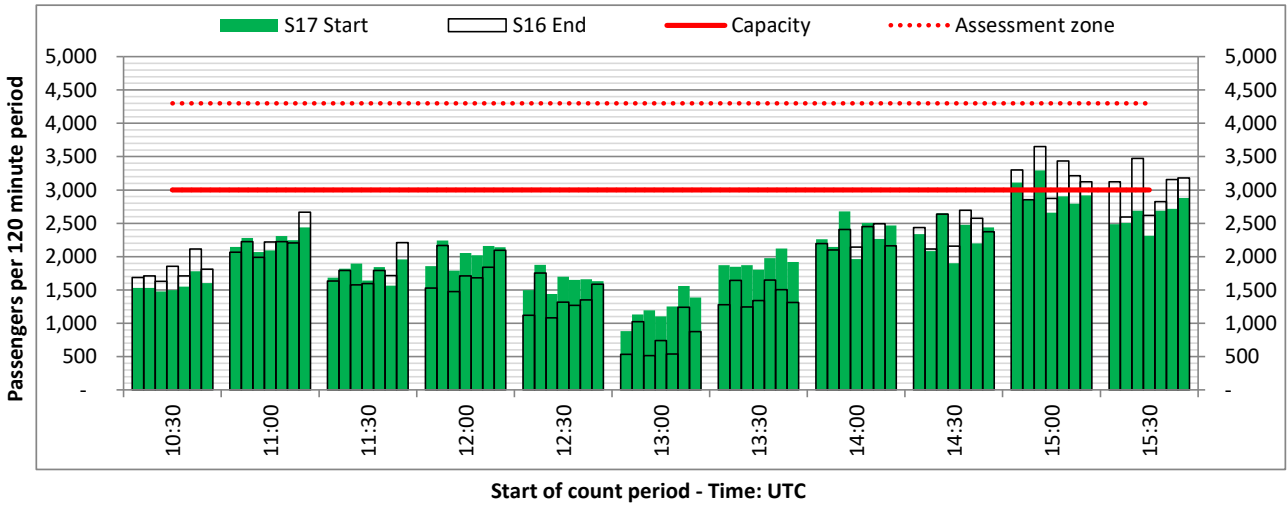
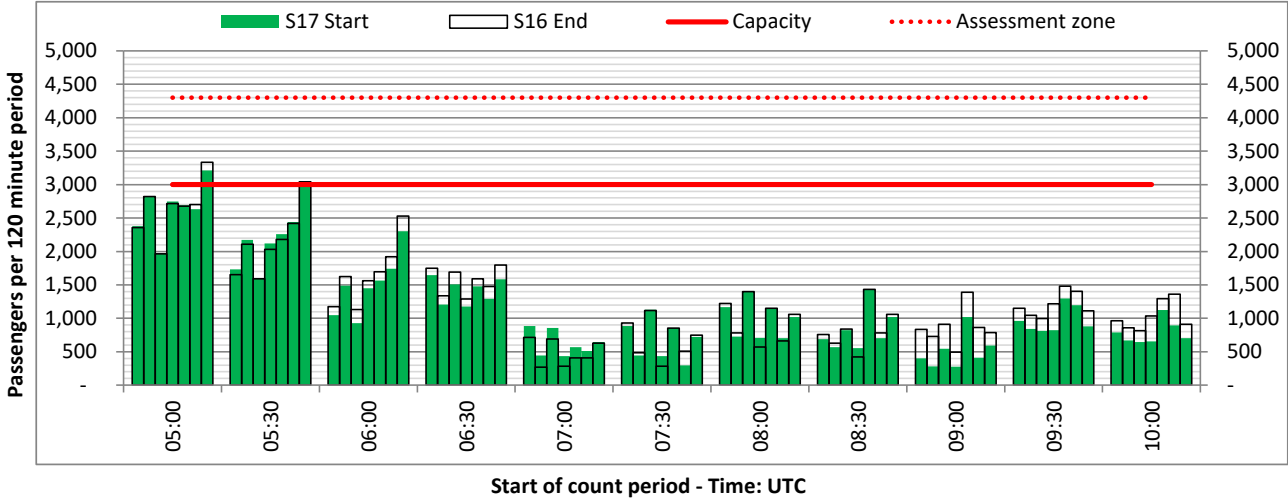
ARRIVAL - 120 minute count rolling every 30 mins (T2H/30)



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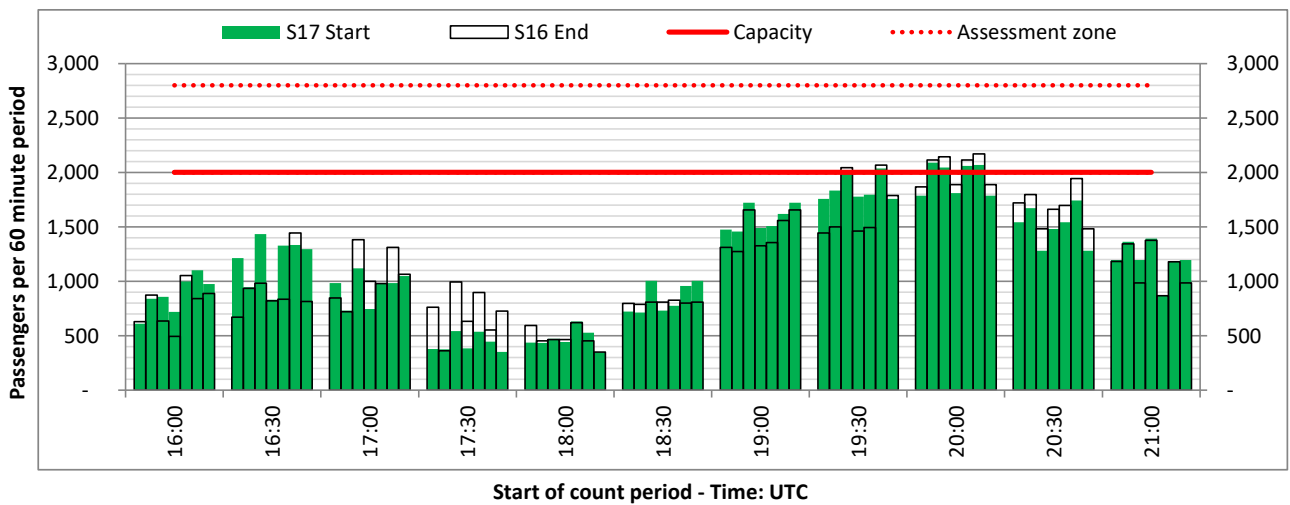
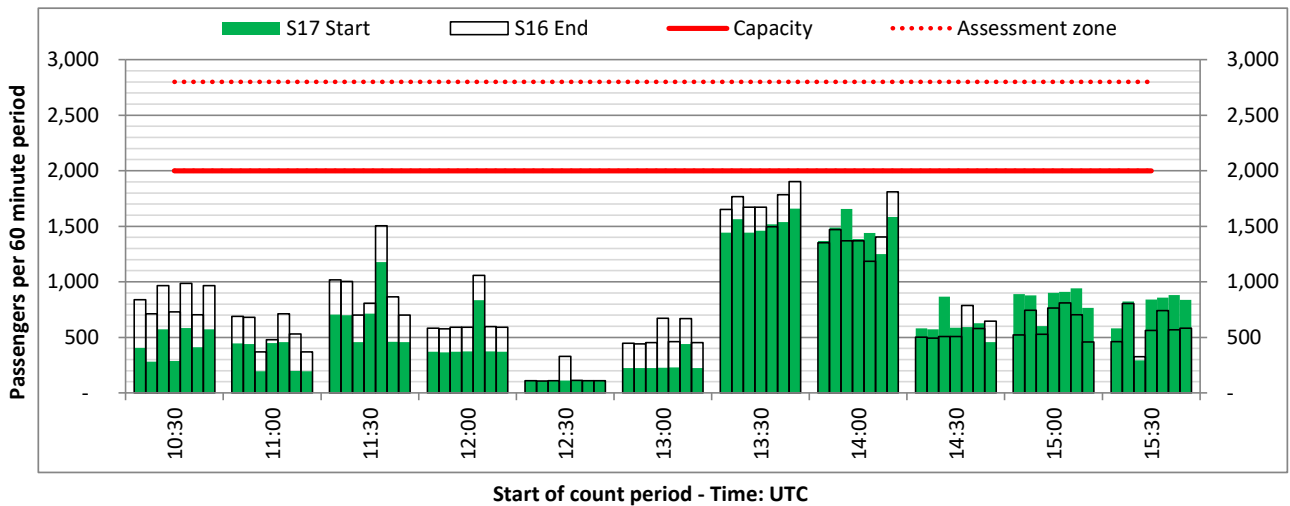
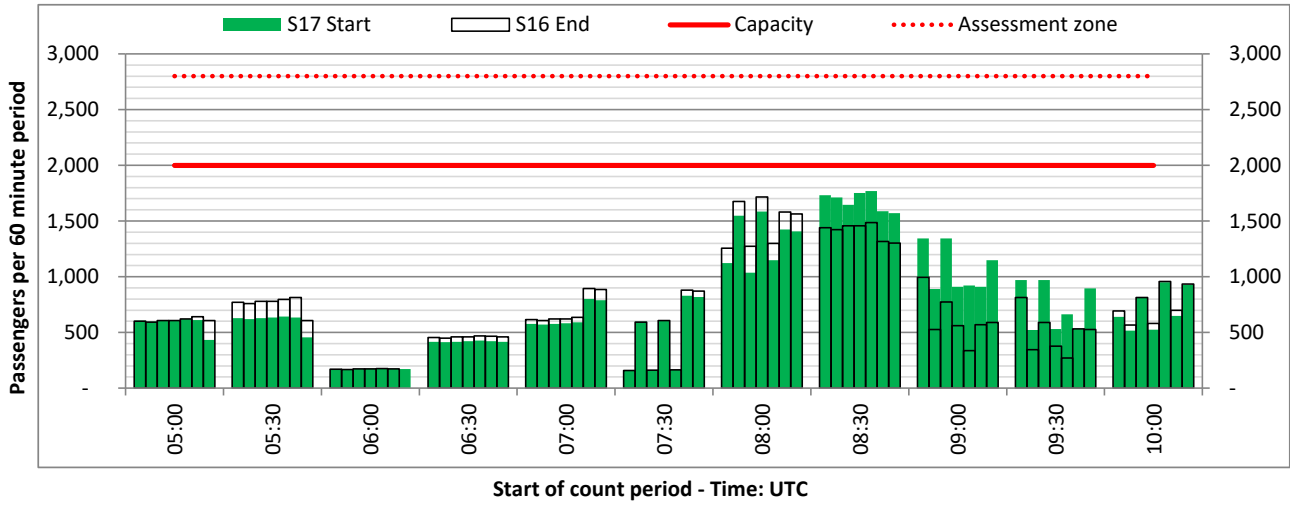
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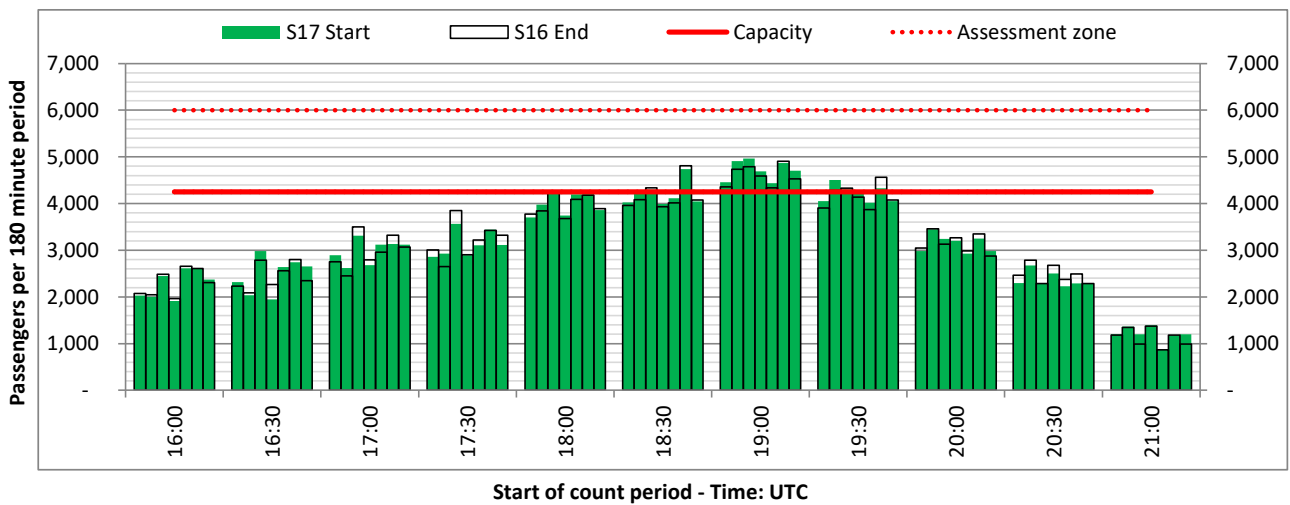
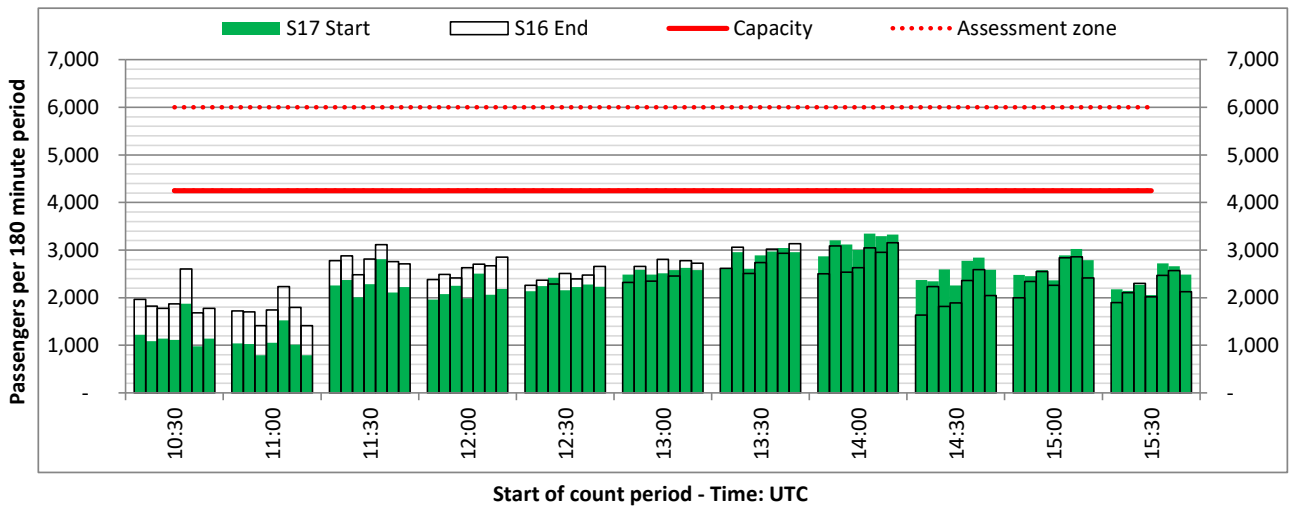
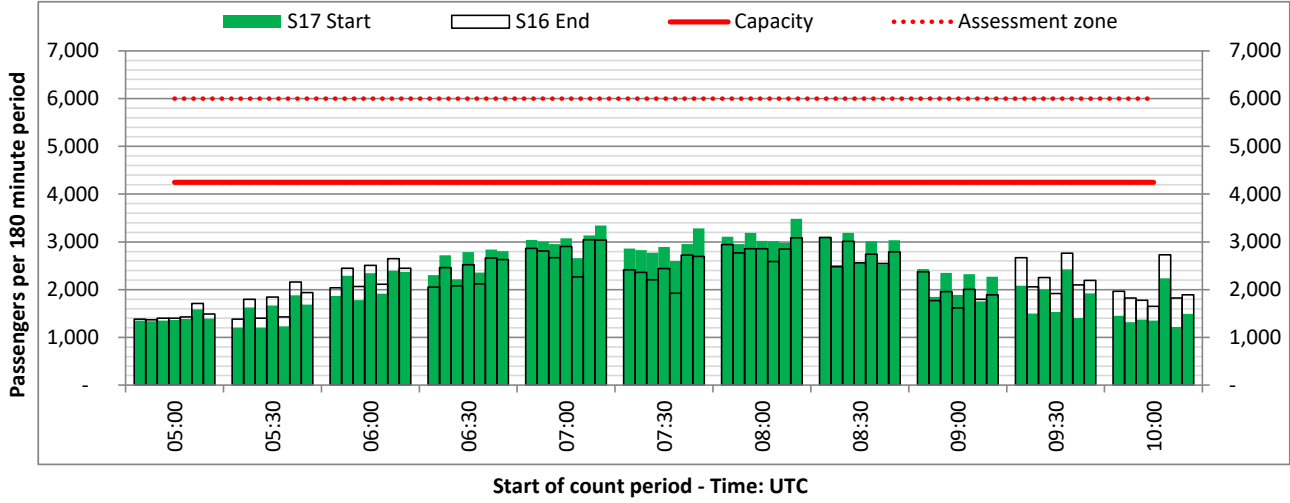
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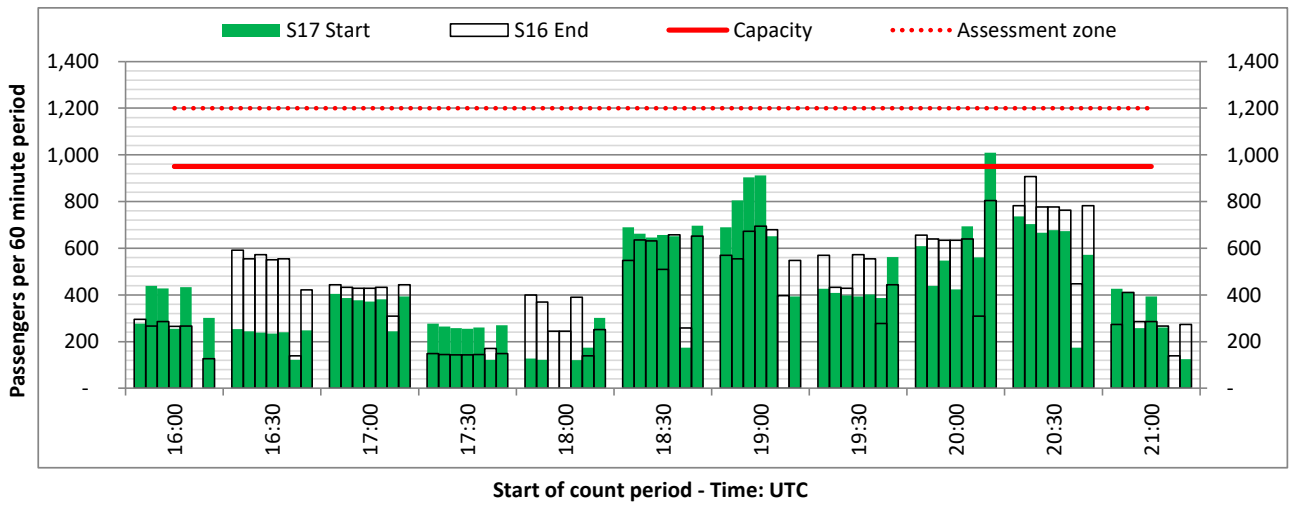
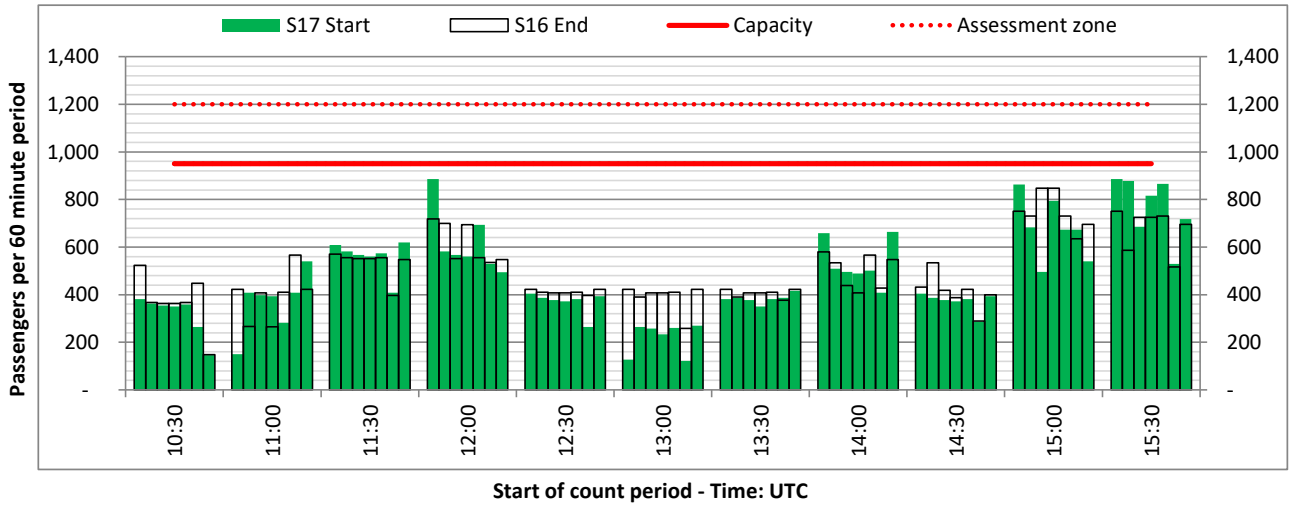
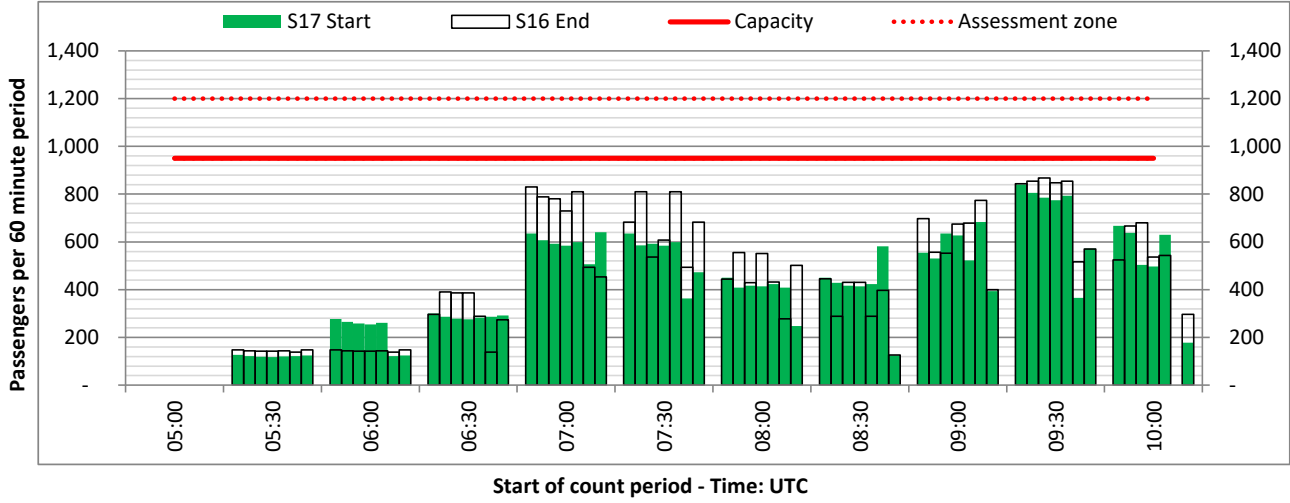
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Terminals: 5D

Operators: All Operators

Days: 1234567



# Peak Week - Passengers Histogram

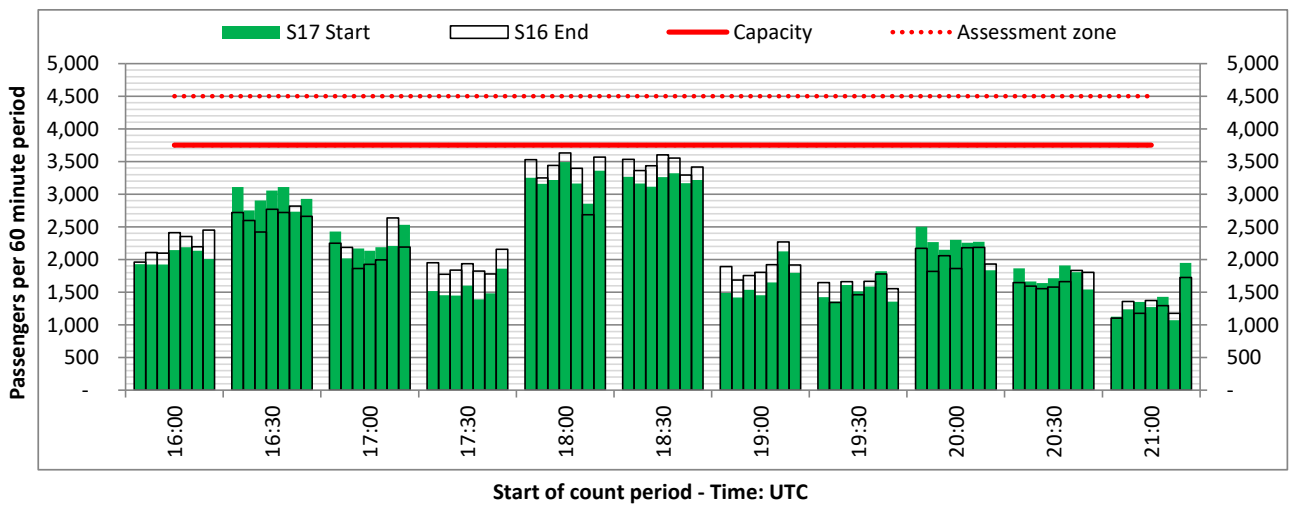
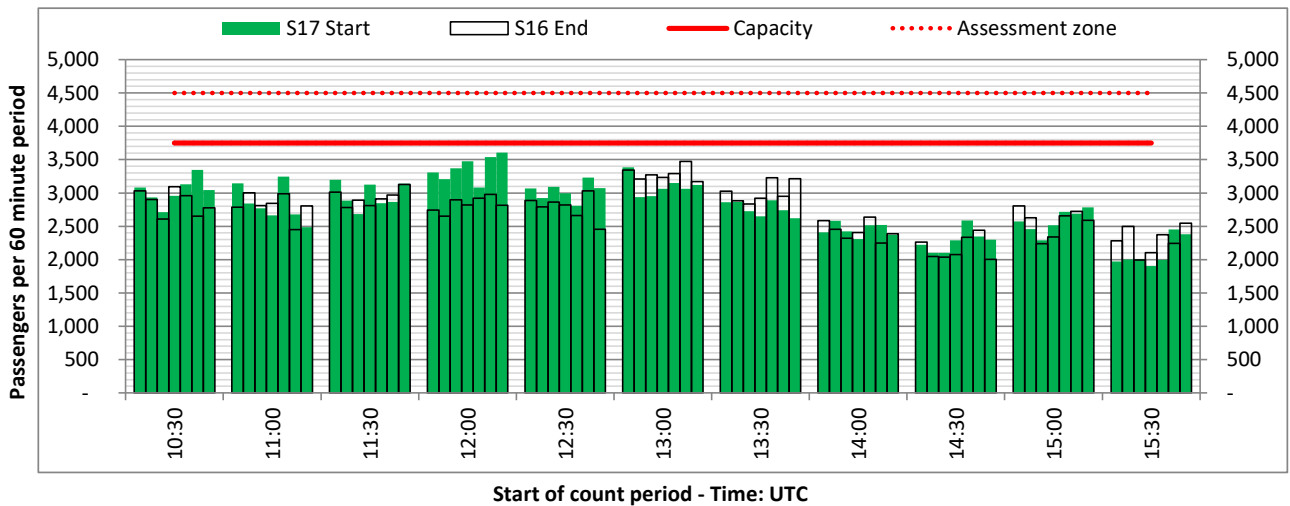
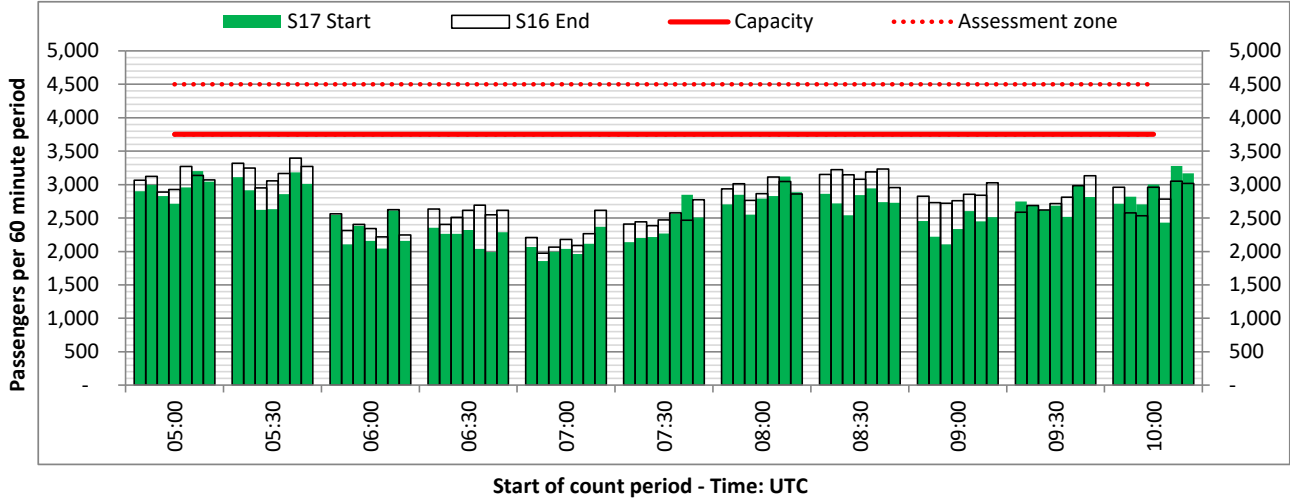
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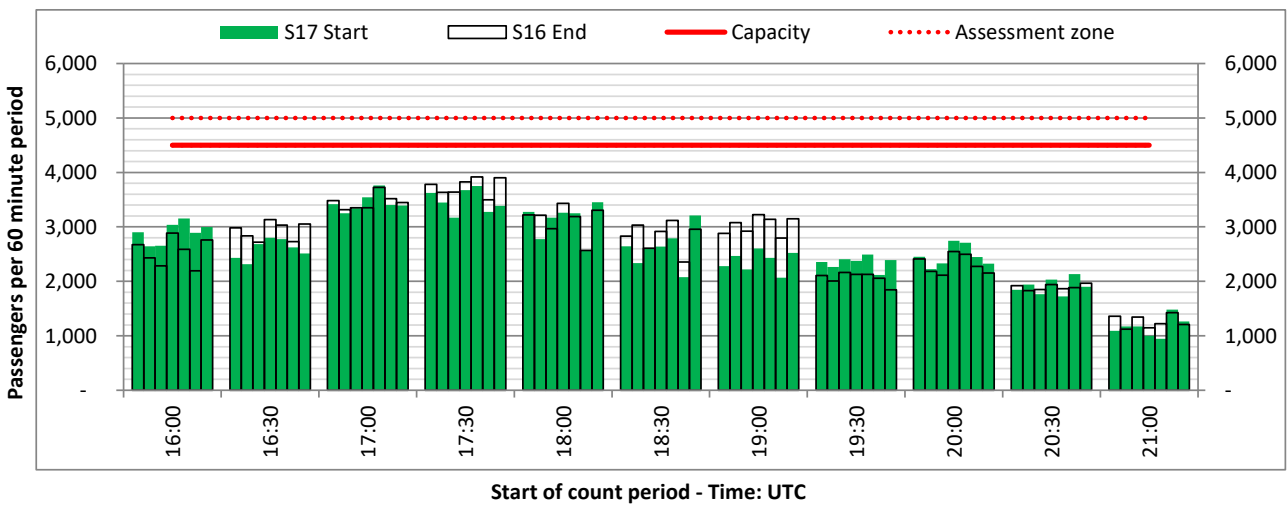
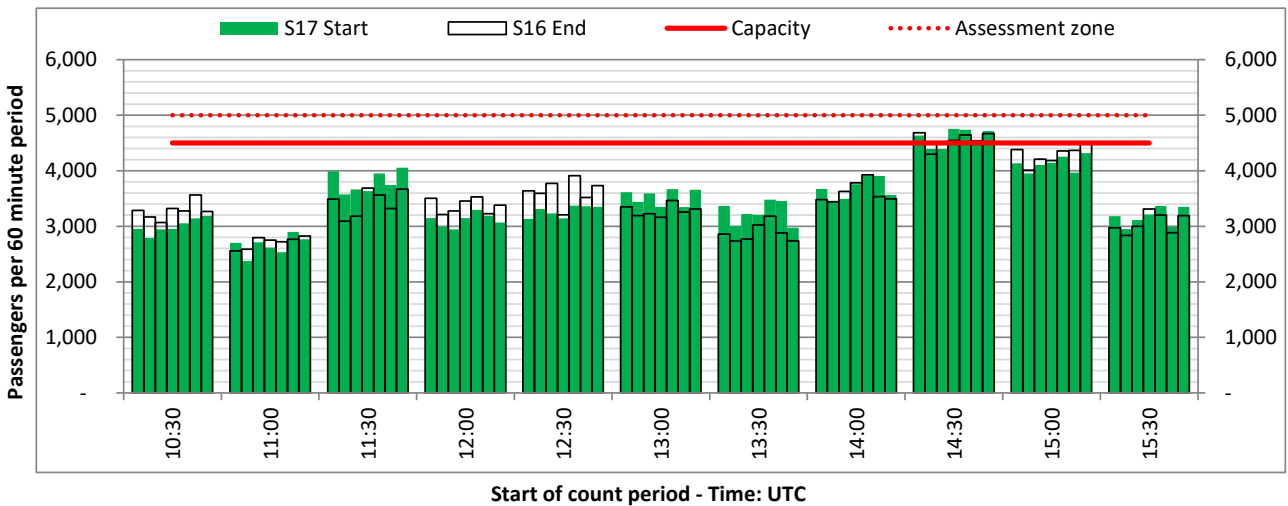
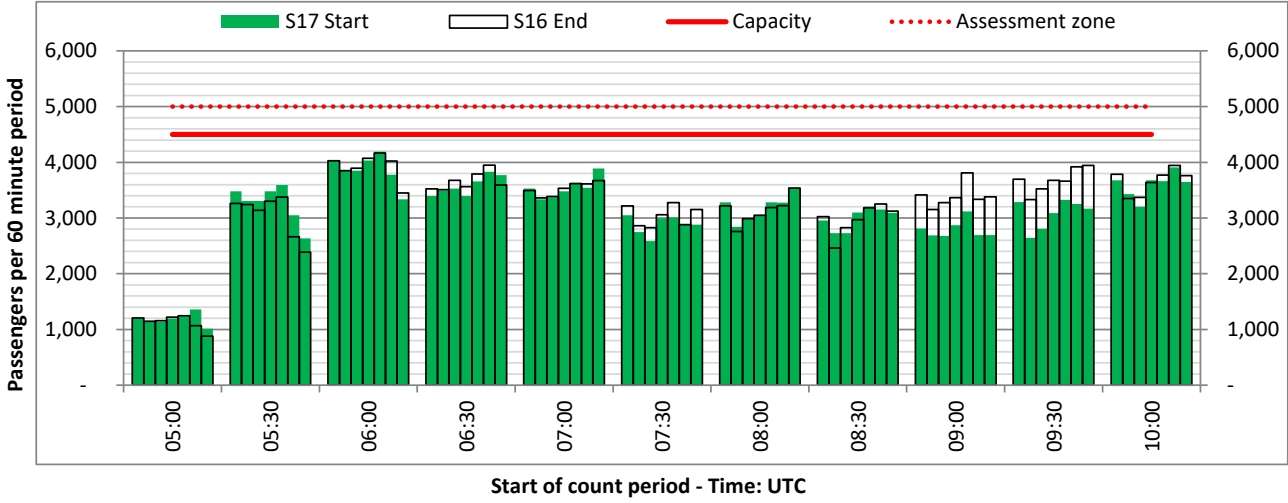
DEPARTURE - 60 minute count rolling every 30 mins (T60/30)



Terminals: 5D 5I

Operators: All Operators

Days: 1234567



# Glossary



<b>Air Transport Movement (ATM)</b>	Any aircraft movement which is either a scheduled or chartered passenger or cargo flight.
<b>Common Travel Area (CTA)</b>	Origin or Destination is in Republic of Ireland or the Channel Islands.
<b>Demand</b>	Unconstrained demand before any schedule adjustments have been made.
<b>"Fill-in"</b>	These are gaps in a historic series of slots which the carrier requests to "Fill-in" at Initial Submissions - Fill-ins will be recognisably part of the historic series and will have the same flight details to qualify as a "Fill-in".
<b>Hist (SHL)</b>	Snapshot of historic schedule rolled over from end of the previous equivalent season - as advised to airlines in the SHLs.
<b>ICAO Size A</b>	Aircraft with wingspan between 0.00m - 14.99m.
<b>ICAO Size B</b>	Aircraft with wingspan between 15.00m - 23.99m.
<b>ICAO Size C</b>	Aircraft with wingspan between 24.00m - 35.99m.
<b>ICAO Size D</b>	Aircraft with wingspan between 36.00m - 51.99m.
<b>ICAO Size E</b>	Aircraft with wingspan between 52.00m - 64.99m.
<b>ICAO Size F</b>	Aircraft with wingspan between 65.00m - 80.00m.
<b>Init Coord</b>	Snapshot of schedule immediately after Initial Coordination is completed - as advised to airlines in the SALs.
<b>Passenger Air Transport Movement (PATM)</b>	Any aircraft movement which is either a scheduled or chartered passenger flight.
<b>Start</b>	Snapshot of schedule shortly before the start of the scheduling season (exact date given below where used).
<b>Time: Local</b>	Times shown are in LOCAL time for the airport/scheduling season.
<b>Time: UTC</b>	Times shown are in Universal Time Constant (UTC).

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## Data snapshot descriptions

<b>S16 Start</b>	S16 schedule as cleared on Wed 09-Mar-16.
<b>S16 End</b>	S16 schedule as cleared on Mon 13-Mar-17.
<b>S17 Start</b>	S17 schedule as cleared on Mon 13-Mar-17.
<b>Peak Week</b>	Peak week for S16 is Mon 05-Sep-16 to Sun 11-Sep-16. Peak week for S17 is Mon 11-Sep-17 to Sun 17-Sep-17.

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## For ACL use

	Airport-Season-Branch-Resource	From date	To date	Time
Full Season Rep 1	LHR-S16-SOS-Standard	Sun 27-Mar-2016	Sat 29-Oct-2016	UTC
Full Season Rep 2	LHR-S16-Live-Standard	Sun 27-Mar-2016	Sat 29-Oct-2016	UTC
Full Season Rep 3	LHR-S17-SOS Report-Standard	Sun 26-Mar-2017	Sat 28-Oct-2017	UTC
	Airport-Season-Branch-Resource	From date	To date	Time
Peak Week Rep 1	LHR-S16-SOS Baseline-Standard	Mon 05-Sep-2016	Sun 11-Sep-2016	UTC
Peak Week Rep 2	LHR-S16-Baseline-Baseline	Mon 05-Sep-2016	Sun 11-Sep-2016	UTC
Peak Week Rep 3	LHR-S17-SOS Baseline-Baseline	Mon 11-Sep-2017	Sun 17-Sep-2017	UTC