S | **Aerodrome Safety**

Ground Operations

Operational Safety Instruction
Airfield Push Back Restrictions

Date: 12th July 2024

ASGrOps_OSI_072

Version 3.0

It is the responsibility of all employers to ensure that relevant OSIs are brought to the attention of their staff. However, individuals remain responsible for their own actions and those who are in any doubt should consult their Supervisor or Manager.

1. Introduction

1.1 The purpose of this Operational Safety Instruction (OSI) is to inform the airport community regarding aircraft pushback restrictions and the relevant procedures which must be followed at Heathrow Airport.

1.2 This OSI must be read in conjunction with the following documents:

1.2.1 ASGrOps_OSI_021 Aircraft Arrivals Procedure on Stand

1.2.2 ASGrOps_OSI_022 Aircraft Turn Round Procedures

1.2.3 ASGrOps_OSI_023 Aircraft Departure Procedures off Stand

1.2.4 ASGrOps_OSI_026 Aircraft Towing Operations.

1.2.5 ASEnv_OSI_061 Ground Noise at Heathrow – Approval, Control Process and Safety of Engine Ground Running.

1.3 In addition to the requirements in this OSI, any temporary changes regarding aircraft pushback restrictions will be promulgated through the publication of an Operational Advice Notice (OAN).

1.4 The aircraft codes in this OSI shall refer to International Civil Aviation Organisation (ICAO) Aircraft Codes.

1.5 Red bars have been added to the side of this document to indicate where changes have been made.

1.6 ASGrOps_OSI_072 Airfield Push Back Restrictions v2.0 is hereby cancelled.

2. Definitions

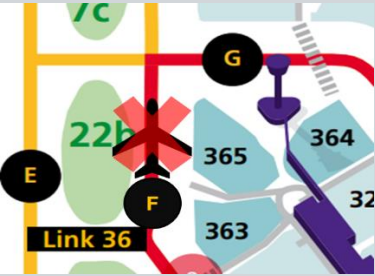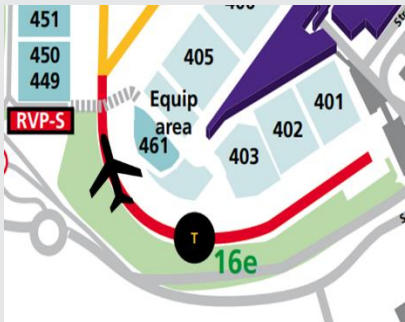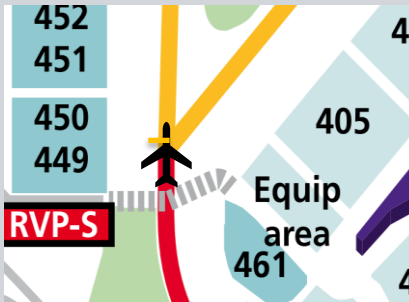| Abbreviation	Description
ATC	Air Traffic Control
OAN	Operational Advice Notice
OSI	Operational Safety Instruction
ICAO	International Civil Aviation Organization

3. Safety Procedures

3.1 Terminal 3 Stands

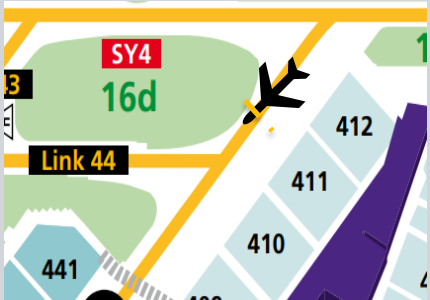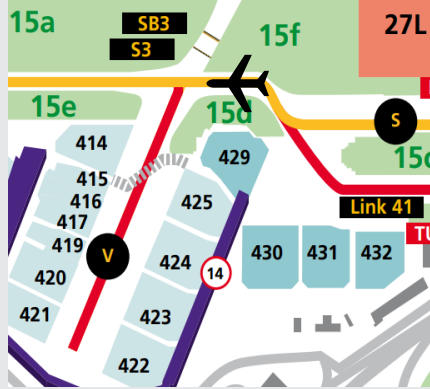| Stand/Apron	Procedures and/or Restrictions	Map for Illustration Only
313	• Code E aircraft must be pushed onto Taxiway BRAVO.	
326	• All aircraft pushing back onto Taxiway HOTEL must be towed forward to abeam Stand 328 prior to engine start.	
340	• Code E and Code F aircraft must **not** be pushed to face North on Taxiway FOXTROT. These aircraft may be elected to push to face either East or West on Taxiway BRAVO. • Code E and Code F aircraft being pushed from this stand will infringe Taxiway BRAVO.	
342	• Code F aircraft must **not** be pushed to face North.	
351	• Aircraft pushing back onto Taxiway HOTEL must be towed forward to abeam Stand 328 prior to engine start.	

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Stand/Apron	Procedures and/or Restrictions	Map for Illustration Only
365	• Code E aircraft must **not** be pushed to face North.	

3.2   Terminal 4 Stands

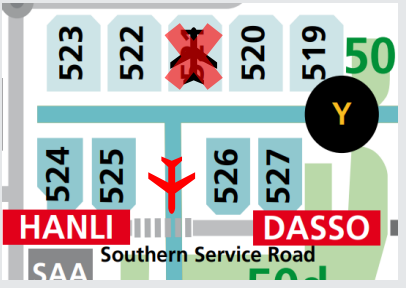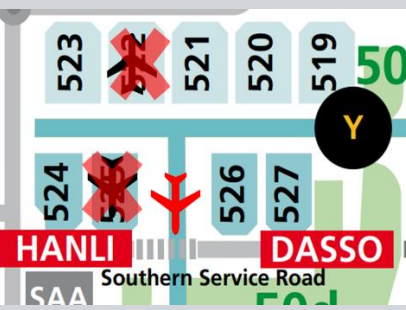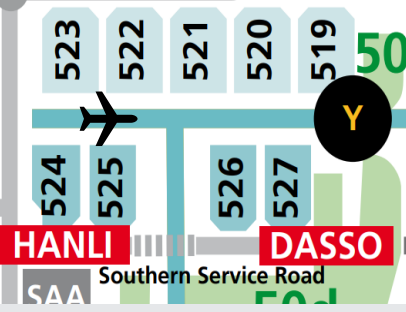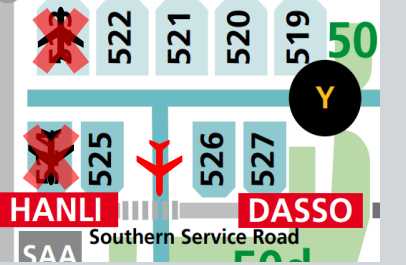| Stand/Apron	Procedures and/or Restrictions	Map for Illustration Only
401 402 403	• Aircraft must be towed abeam Stand 461 on TANGO prior to starting engines if deemed necessary. • For details regarding aircraft ground noise restrictions, reference should be made to ASEnv_OSI_061 Ground Noise at Heathrow – Approval, Control Process and Safety of Engine Ground Running.	
405	**A380 Aircraft Pushing onto WHISKEY** • A380 aircraft may be pushed back to face North on Taxiway WHISKEY and must follow the yellow dashed lines and arrows. • Tug crews must **not** push the aircraft's nose wheel south of the dashed yellow Tug Release Point painted perpendicular to Taxiway WHISKEY centreline - **This is to ensure that the aircraft does not infringe the Code E section of Taxiway TANGO.**	
405 406	**Aircraft Exiting via Taxiway Link 42** • Aircraft must be pushed back to one of the designated Tug Release Points (dashed painted line perpendicular to Taxiway TANGO centreline) to provide sufficient run-up distance to make the turn with a minimum jet blast.	

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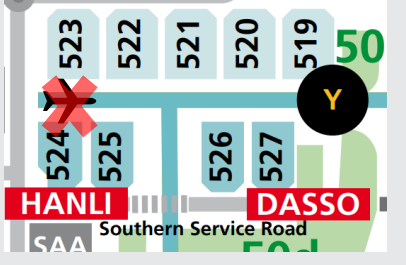|		
410 411	• All aircraft wishing to exit via Taxiway Link 44 must be pushed back to the designated Tug Release Point painted across the Taxiway TANGO centreline.	
429 430 431 432	• Aircraft must be towed short of Taxiway VICTOR on Taxiway SIERRA before starting engines. • For details regarding aircraft ground noise restrictions, reference should be made to ASEnv_OSI_061 Ground Noise at Heathrow – Approval, Control Process and Safety of Engine Ground Running.	

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3.3   Terminal 5 Stands

Stand/Apron	Procedures and/or Restrictions	Map for Illustration Only
521	• Aircraft may **not** be pushed from the stand whilst another aircraft is holding at HANLI, facing South.	
522	• Aircraft may **not** be pushed from the stand whilst another aircraft is holding at HANLI, facing South.	
525	• Aircraft pushing to face East must be pulled forward to abeam Stand 522 before starting engines.	
523	• Aircraft may **not** be pushed from the stand whilst another aircraft is holding at HANLI, facing South.	
524	• Aircraft may not be pushed onto Taxiway YANKEE, facing East.	

3.4   Cargo Stands

Stand/Apron	Procedures and/or Restrictions	Map for Illustration Only
611 to 616	• Any live outbound 747-400 must be pushed onto Taxiway SIERRA.	
614	• Aircraft pushing to face North on Taxiway ZULU must be pulled forward to the Tug Release Point before engine start.	

3.5   Leased Areas

Stand/Apron	Procedures and/or Restrictions	Map for Illustration Only
TF3 TF4	• Aircraft must be pushed back onto Taxiway Link 28 to face either North or East.	
TF5	• Aircraft must be pushed back onto Taxiway ALPHA to face either North or South.	

3.6   Simultaneous Pushback

Simultaneous pushbacks are permitted based on the size of the aircraft in front. If the leading aircraft is smaller than a B757-200, only one intervening stand is required. For a B757-200 or larger, two intervening stands are required.

Examples as below:

B757-200 or smaller

B757-200 or larger
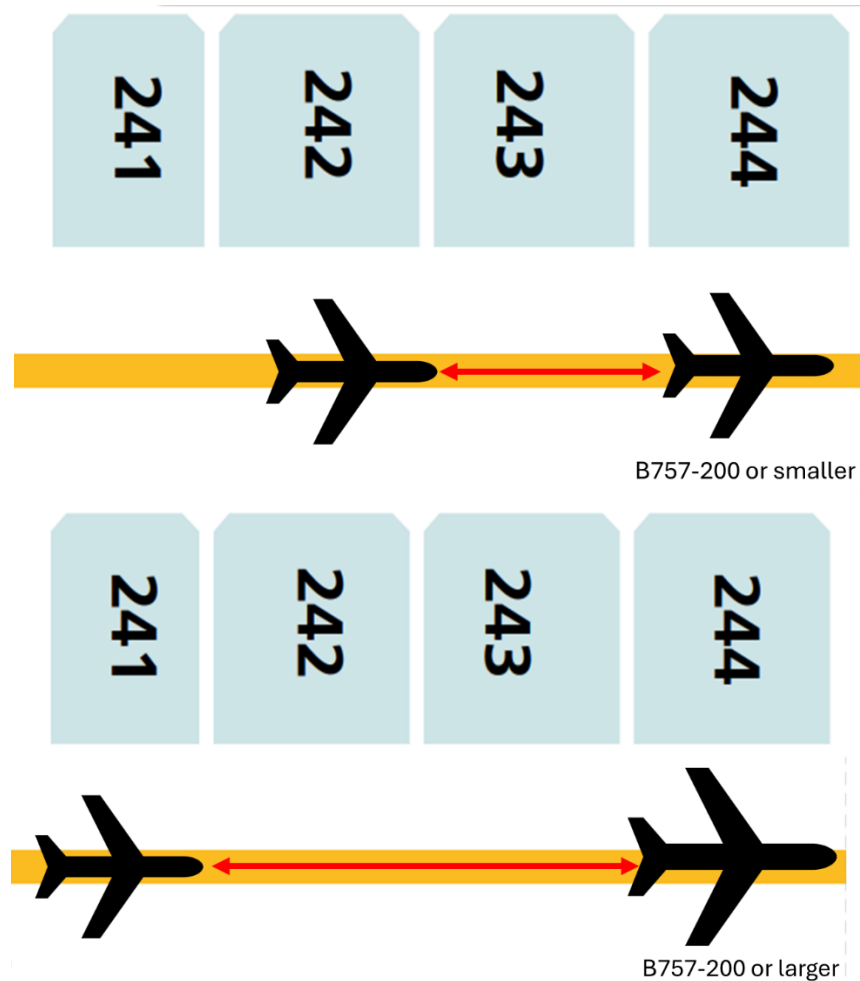
4. Enquiries

Any queries on this OSI should be addressed to the HAL Airfield Duty Manager at 0208 745 7373.

Document Data

Document Name Airfield Pushback Restrictions	**Document Reference Number** ASGrOps_OSI_072	**Issue Date** 14th August 2017
Revision Date 12th July 2024	**Version No.** 3.0	**Effective Date** 12th July 2024
Author Name Vincent Chan	**Approval Name** Alpesh Patel	**Technical Approval Name** N/A
Aerodrome Manual Reference E.6.3	**Airside Standard Reference** N/A	**Airside Plan Reference** N/A

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Document History

Revision	Description of Change	Date
V1.0	Initial Version	14th August 2017
V1.1	Removal of reference to ASGrOps_OSI_025	3rd October 2017
V2.0	• Addition of pushback restriction for stand 233. • Removal of some of stand 122 and 141 push back restrictions. • Updated push back restriction Terminal 4 stands and removal of reference to OSI 035. • ICAO Aircraft codes added to appendix A.	28th April 2020
V3.0	• Removal of Terminal 2 pushback restrictions. • Updates of pushback restrictions at Terminal 3 Stands 340, 342 and 365. • Updated reference to OSI "ASEnv_OSI_061 Ground Noise at Heathrow – Approval, Control Process and Safety of Engine Ground Running" at some Terminal 4 Stands. • Updates of stand designation and pushback restrictions at the leased area. • Removal of Appendix A regarding ICAO aircraft codes.	12th July 2024