

List of pages in this Trip Kit

Trip Kit Index

Airport Information For EGLL

Terminal Charts For EGLL

Revision Letter For Cycle 07-2023

Change Notices

Notebook

General Information

Location: LONDON GBR
ICAO/IATA: EGLL / LHR
Lat/Long: N51° 28.65', W000° 27.68'
Elevation: 83 ft

Airport Use: Public
Daylight Savings: Observed
UTC Conversion: +0:00 = UTC
Magnetic Variation: 0.0° E

Fuel Types: Jet A-1
Repair Types: Major Airframe, Major Engine
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: No

Sunrise: 0505 Z
Sunset: 1859 Z

Runway Information

Runway: 09L
Length x Width: 12799 ft x 164 ft
Surface Type: asphalt
TDZ-Elev: 81 ft
Lighting: Edge, ALS, Centerline, TDZ
Displaced Threshold: 1014 ft

Runway: 09R
Length x Width: 12001 ft x 164 ft
Surface Type: asphalt
TDZ-Elev: 76 ft
Lighting: Edge, ALS, Centerline, TDZ
Displaced Threshold: 1010 ft

Runway: 27L
Length x Width: 12001 ft x 164 ft
Surface Type: asphalt
TDZ-Elev: 78 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 27R
Length x Width: 12799 ft x 164 ft
Surface Type: asphalt
TDZ-Elev: 79 ft
Lighting: Edge, ALS, Centerline, TDZ

Communication Information

ATIS: 113.750
ATIS: 117.000
ATIS: 121.935 Departure Service
ATIS: 128.080
Heathrow Tower: 118.505
Heathrow Tower: 118.705
Heathrow Tower: 124.475
Heathrow Ground: 121.905
Heathrow Ground: 121.855
Heathrow Ground: 121.980
Heathrow Ground: 121.705
Heathrow Clearance Delivery: 121.980
Heathrow Fire Emergency: 121.600
Heathrow Radar: 125.625
Heathrow Radar: 127.525
Heathrow Direct (Approach Control Radar): 134.980
Heathrow Direct (Approach Control Radar): 127.525
Heathrow Direct (Approach Control Radar): 120.400
Heathrow Direct (Approach Control Radar): 119.730

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6 MAY 22

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.Eff.19.May.

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1. GENERAL

1.1. ATIS

D-ATIS Arrival	113.750	117.0	128.080
D-ATIS Departure	121.935	(Non-8.33kHz-equipped ACFT should contact Heathrow Delivery.)	

1.2. NOISE ABATEMENT PROCEDURES

1.2.1. GENERAL

The following procedures may at any time be departed from to the extent necessary for avoiding immediate danger or for complying with ATC instructions.

Every operator of ACFT using the APT shall ensure at all times that ACFT are operated in a manner calculated to cause the least disturbance practicable in areas surrounding the APT.

1.2.2. PREFERENTIAL RWY SYSTEM

When tailwind component is not greater than 5 KT on RWYs 27R/L, these RWYs will be used in preference to RWY 09R/L, provided the RWY surface is dry.

Pilots asking for permission to use the RWY into the wind when RWYs 27R or 27L are in use, should understand that their arrival or departure may be delayed.

1.2.3. REVERSE THRUST

Avoid use of reverse thrust between 2330-0600LT except for safety reasons.

1.2.4. USE OF APU

Auxiliary Power Unit (APU) only to be used when neither Fixed Electrical Ground Power (FEGP) nor Ground Power Unit is supplied or both units are unserviceable.

APU must be shut down at the earliest opportunity on arrival on stand.

APUs are not permitted to be used between 2330-0600LT on:

- Cargo area stands 601-609 and 611-616;
- Stands 401-403 and 429-432, except in emergency.

No APU is to be left running unless either a qualified person is in attendance or APU has both an auto-shut down and auto-extinguishing facility.

Restrictions on the use of APUs:

ACFT	Before Scheduled Time of Departure - Start	Arrival Terminating Operaton - Shut Down
Narrow Body	No more than 15 minutes	10 minutes after arrival on stand
Wide Body, B747, B767, B777, B787, MD11, A300, A310, A330, A340	- No more than 30 minutes or - No more than 60 minutes prior to departure when FEGP has not been upgraded to provide enough power to support the FMS	
A380	No more than 60 minutes	15 minutes after arrival on stand

Exceptions to these restrictions are:

- When an ACFT is scheduled to be towed off to another location, the APU may be restarted for safety reasons not in excess of 10 minutes prior to the planned movement.
- When the planned towing movement specified above is delayed due to ATC, then the APU may be left running.
- When the external air temperature is below 5°C or above 25°C as stated on the ATIS, then the APU restriction before Scheduled Time of Departure is extended to: 30 minutes for Narrow Body ACFT, 60 minutes for Wide Body ACFT and 90 minutes for A380.

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1. GENERAL

1.2.5. ENGINE GROUND RUNNING

Noise from ground running of ACFT engines is controlled in accordance with instructions issued by Heathrow APT LTD.

To make use of the Engine Ground Run pens contact British Airways maintenance control on 020-8513 0880. Requests will only be accepted when there is spare capacity.

1.2.5.1. OPERATIONS AT TERMINAL 4 (BETWEEN 2330-0600LT)

Stands 401 thru 403 and 429 thru 432, except in an emergency, no use of ACFT engines shall be permitted to, from or onto these stands.

TWY S east of V apron or through link 41 to S1 and reverse. ACFT are prohibited from accessing and departing from the terminal site by taxiing on the route above except in an emergency or as a consequence of essential maintenance work on the alternative access routes.

1.2.5.2. OPERATIONS AT TERMINAL 5 (BETWEEN 2330-0600LT)

ACFT arriving at terminal 5 and those scheduled to depart in that period, will use stands closest to the centre of the site in preference to outer stands.

Taxiing operations to the North and South of the T5 application site will be restricted to inner TWYs only, except in an emergency or for the maintenance of the RWY and TWY system.

1.2.6. NIGHTTIME RESTRICTIONS

Any ACFT which has a noise classification between 96 and 98.9 EPNdB may not be scheduled to take off or land between 2330-0600LT.

Any ACFT which has a noise classification greater than 98.9 EPNdB may not take off or land between 2300-0700LT.

Any ACFT may not take off or be scheduled to land between 2300-0700LT where the operator of that ACFT has not provided (prior to its take-off or prior to its scheduled landing times as appropriate) sufficient information to enable the APT authority to verify its noise classification.

1.3. LOW VISIBILITY PROCEDURES (LVP)

1.3.1. GENERAL

During CAT II and III operations, special ATC LVPs will be applied. Pilots will be informed when these procedures are in operation via ATIS or RTF. ATC LVPs will only be applied when the RVR is less than 600m.

1.3.2. ARRIVAL

- Surface Movement Guidance and Control System (SMGCS) is normally available and all RWY exits will then be illuminated. Pilots should select the first convenient exit.
- Pilots are to delay the call "RWY vacated" until ACFT has completely passed the end of the green/yellow colour-coded TWY centerline lights.

1.3.3. DEPARTURE

The ILS on the departure RWY will be turned off when the IRVR is greater than 250m. Pilots requiring the ILS for departure when the IRVR is in the range 275m to 550m must inform HEATHROW Delivery.

1.4. SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM

APT is equipped with Mode S movement radar. Pilots must ensure that:

ACFT transponder is set to transmit Mode S signals, and the assigned code, from the request to push-back or taxi, whichever is earlier and after landing, continuously until ACFT is parked on stand.

After parking, Mode A code 2000 must be set before selecting OFF or STDBY.

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12 AUG 22

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1. GENERAL

1.5. RWY OPERATIONS

1.5.1. RWY CROSSING PROCEDURE

After crossing RWY 09R/27L and having reported RWY vacated, the ACFT will be instructed to revert to Ground for further clearance. In absence of further clearance pilot should turn onto the first available TWY and stop.

1.6. TAXI PROCEDURES

1.6.1. GENERAL

Pilots who intend to execute a reduced engine taxi-out must report their intention to delivery on first contact by data link or if possible by RT.

In the apron areas minimum engine power shall be used as far as possible, and use of reverse thrust for maneuvering to and from a stand is not permitted.

Whenever operationally and safely feasible, all ACFT are requested to shut down as many engines as possible while taxiing and holding on the ground, EXCEPT in the following circumstances:

- a) By any ACFT that is required to cross an active arrival RWY;
- b) By any ACFT exiting T and turning West onto S, Link 44 and Link 42, due to jet blast;
- c) By B777 variants in G and H due to jet blast.

Pilots are to use the minimum power necessary when maneuvering on the TWY system. This is of particular importance when maneuvering in the apron cul-de-sacs, where jet blast can affect adjacent stands.

Pilots are reminded of the extreme importance of maintaining a careful lookout at all times and are at all times responsible for wingtip clearance, notwithstanding the TWY lighting system.

Any ACFT with a CTOT should plan Reduced Engine Taxi to be ready for departure at CTOT -5 minutes.

1.6.2. RESTRICTIONS

TWY Y between HANLI and TWY A is restricted to ACFT with a maximum size of code C.

Link 56 restricted to ACFT with maximum size code D.

1.6.3. RESTRICTIONS TO LARGE ACFT

- A380 ACFT: Reduced " TWY centerline to object clearance" of 161'/49m applies on TWY B between F and Link 11, on TWY E between TWY B and Link 36 and on TWY W between TWY S and TWY T and on TWY S between SY6 and TWY T.

Reduced clearance of 156'/47.5m applies on TWY A at MORRA. Pilots are to ensure that ACFT remain on TWY centerline at all times. Judgemental steering is recommended all times when maneuvering on TWYs.

Use minimum power when maneuvering at Terminal 4.

- Pilots of code E ACFT must exercise caution when using TWY S between reporting point SY6 and TWY Z as wingtip clearances to the South are minimal.-
- All B747-400 ACFT on TWY Z must be under tow.
- A340-600 and B777-300 ACFT: It is recommended that flight crews use judgemental steering at all times when maneuvering on the TWYs. These ACFT are not permitted to use the following route:

Eastbound on TWY S, at NESSY turning RIGHT onto Link 41 to face West and vice-versa.

- Pilots of B747, B777, B787, A340, A350 and code F ACFT are not permitted to route North on TWY T turning LEFT on TWY S facing west under power.

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1. GENERAL

1.6.4. CODE E TWY TO TWY SEPARATION

Separation of 262' /80m is not met as follows: TWYs A and B between TWY H and AY5.

1.6.5. CODE E TWY TO STAND OR TWY TO OBJECT SEPARATION

Separation of 142' /43.5m is not met on the following TWYs:

- Minimum clearance 139' /42.5m -141' /43m
To the East of TWY F between reporting point F1 and TWY G.
- Minimum clearance 121' /37m
To the South of TWY S between reporting point SY6 and TWY Z.

1.6.6. CODE F TWY TO STAND OR TWY TO OBJECT SEPARATION

Separation of 167' /51m is not met on the following TWY:

- Minimum clearance 160' /49m
To the South of TWY B (North) between stands 336 and 357.

1.7. PARKING INFORMATION

The majority of stands are equipped with the Safedock Visual Docking Guidance System (VDGS). A marshalling service will be provided for the minority of the remaining stands that do not have VDGS fitted.

Flight crew must not attempt to self-park if the VDGS is not activated or calibrated for their ACFT type.

In the event of there being no activated (VDGS) displayed upon approach to the stand, flight crews should:

- Hold position on the TWY centerline.
- Inform Ground Movement Control (GMC), they are awaiting stand entry guidance.
- Contact company to arrange activation.

Note: GMC may request ACFT to "report parked" - this is not an instruction to self-park.

In the event of a failure of the VDGS during parking, flight crews should:

- Inform GMC of a stand entry guidance failure.
- Contact company to arrange a marshaller.

1.8. OTHER INFORMATION

1.8.1. AERODROME SAFETY REPORTING

ACFT operators are required to share with Heathrow any occurrence reports for reportable incidents which occur on the ground at Heathrow, or during the initial (take-off) or final (approach and landing) phases of flight to or from Heathrow.

1.8.2. RESTRICTED AREAS

R-156 area does not apply to any ACFT making an approach to or departing from London Heathrow APT whilst under the control of LONDON Terminal Control.

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2. ARRIVAL

2.1. SPEED RESTRICTIONS

Pilots should typically expect the following speed restrictions to be enforced:

- 220 KT from the holding facility during the initial approach phase;
- 180 KT on base leg/closing heading to the final APCH;
- Between 180 KT and 160 KT when established on the final APCH;

and thereafter 160 KT to D4.0.

Adherence to speeds assigned by ATC is mandatory.

These speeds are applied for ATC separation purposes.

In the event of a new (non-speed related) ATC clearance being issued (e.g. an instruction to descend on ILS), pilots shall continue to maintain a previously allocated speed. All speed restrictions are to be flown as accurately as possible.

ACFT unable to conform to these speeds should inform ATC and state what speeds can be used. In the interests of accurate spacing, pilots are requested to comply with speed adjustments as promptly as feasible within their own operational constraints, advising ATC if circumstances necessitate a change of speed for ACFT performance reasons.

2.2. NOISE ABATEMENT PROCEDURES

The following procedures may at any time be departed from to the extent necessary for avoiding immediate danger or for complying with ATC instructions.

Every operator of ACFT using the APT shall ensure at all times that ACFT are operated in a manner calculated to cause the least disturbance practicable in areas surrounding the APT.

An ACFT approaching to land shall according to its ATC clearance minimize noise disturbance by the use of continuous descent and low power, low drag operating procedures (see below).

Where the use is not practicable, ACFT shall maintain an altitude as high as possible.

For monitoring purposes, a descent will be deemed to have been continuous provided that no segment of level flight longer than 2.5NM occurs below 6000' and 'level flight' is interpreted as any segment of flight having a height change of not more than 50' over a track distance of 2NM or more, as recorded in the APT noise and track-keeping system.

Propeller-driven ACFT with MTOW above 5700kgs and jet ACFT:

ACFT approaching RWY 27L/R between 0600-2330LT and using the ILS shall not descend below 2500' (Heathrow QNH) on GS before being established on LOC, nor thereafter fly below GS. ACFT approaching without ILS assistance shall follow a descent path which will not result in its being at any time lower than the approach path that would be followed by an ACFT using the ILS GS, and shall follow a track to intercept the extended RWY centerline at or above 2500'.

ACFT approaching RWY 27L/R between 2330-0600LT and using the ILS shall not descend below 3000' (Heathrow QNH) on GS before being established on LOC at not less than 10NM from touchdown, nor thereafter fly below GS. ACFT approaching without ILS assistance shall follow a descent path which will not result in its being at any time lower than the approach path that would be followed by an ACFT using the ILS GS, and shall follow a track to intercept the extended RWY centerline at or above 3000'.

ACFT approaching RWY 09L/R between 0700-2300LT and using the ILS shall not descend below 2500' (Heathrow QNH) on GS before being established on LOC, nor thereafter fly below GS. ACFT approaching without ILS assistance shall follow a descent path which will not result in its being at any time lower than the approach path that would be followed by an ACFT using the ILS GS, and shall follow a track to intercept the extended RWY centerline at or above 2500'.

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9 SEP 22

10-1P5

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2. ARRIVAL

ACFT approaching RWY 09L/R between 2300-0700LT and using the ILS shall not descend below 3000' (Heathrow QNH) on GS before being established on LOC at not less than 10NM from touchdown, nor thereafter fly below GS. ACFT approaching without ILS assistance shall follow a descent path which will not result in its being at any time lower than the approach path that would be followed by an ACFT using the ILS GS, and shall follow a track to intercept the extended RWY centerline at or above 3000'.

CONTINUOUS DESCENT APPROACH

Headings and flight levels/altitudes by ATC. ACFT will be radar-vectorred. An estimate of track distance to touchdown will be passed with descent clearance. Further distance information will be given between descent clearance and the intercept heading to the ILS LOC.

On receipt of descent clearance, descend at the rate best suited to a continuous descent so as to join the GS at the appropriate height for the distance without recourse to level flight.

2.3. CAT II/III OPERATIONS

RWYs 09L/27R and 09R/27L approved for CAT II/III operations, special aircrew and ACFT certification required.

2.4. RWY OPERATIONS

2.4.1. MINIMUM RWY OCCUPANCY TIME

Pilots are reminded that rapid exit from the landing RWY enables ATC to apply the minimum spacing on final approach that will achieve maximum RWY utilisation and will minimize the occurrence of go-arounds.

Landing ACFT are to vacate expeditiously. All arrivals are to ensure that they are fully vacated before stopping.

2.4.2. RWY VACATION GUIDELINES

ACFT lands but cannot contact HEATHROW Ground due to RTF congestion:

In this case the pilot should completely vacate the landing RWY and taxi into the first TWY available. The pilot should then hold position until contact with Ground can be established.

RWY 09L: Furthest preferred TWY for A380 ACFT is A5.

RWY 09R: Furthest preferred TWY for A380 ACFT is S4E and N4E.

RWY 27L: Furthest preferred TWY for A380 ACFT is S6 and N7.

RWY 27R: Furthest preferred TWY for A380 ACFT is A11.

2.5. OTHER INFORMATION

2.5.1. GENERAL

Warning: The possibility of building-induced turbulence and large windshear effects may occur when landing on RWY 27R in strong southerly / south-westerly winds.

2.5.2 "LAND AFTER" PROCEDURE

Normally, only one ACFT is permitted to land or take-off on the RWY-in-use at any one time. However, when the traffic sequence is two successive landing ACFT, the second one may be allowed to land before the first one has vacated the RWY-in-use, providing:

- The RWY is long enough, and there is no evidence to indicate that braking may be adversely affected;
- It is during daylight hours;
- The first landing ACFT is not required to backtrack to vacate the RWY;
- The second ACFT will be able to see the first ACFT clearly and continuously until it has vacated the RWY;

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9 SEP 22

10-1P6

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2. ARRIVAL

- The second ACFT has been warned. ATC will provide this warning by issuing the pilot of the second ACFT with permission to land using the phraseology "... land after the (first ACFT type) ..." instead of issuing a landing clearance;
- Responsibility for ensuring adequate separation between the two ACFT rests with the pilot of the second ACFT.

An example of the RTF exchange is as follows:

ATC: " (Call sign) RWY (designator), **land after** the (first ACFT type), surface wind (direction and speed). "

Pilot: " RWY (designator), **land after** the (first ACFT type), (Call sign). "

3. DEPARTURE

3.1. DE-ICING

Annually, Heathrow publishes an ACFT De-icing Plan (HADIP). All airline operators should ensure that they have read and understood this document.

During periods of high demand for de-icing, Heathrow activates the A-CDM "Winter Module" which includes ACFT de-icing rig allocation capability.

In order to request de-icing, pilots should follow their company's standard procedure. In accordance with Heathrow's de-icing plan, operators will enter the requirement for de-icing into A-CDM, which will ensure that de-icing resources are allocated appropriately. If the ACFT is to be de-iced remotely, operating companies will pass this information to pilots prior to push.

When doors are closed and ready to commence de-icing on gate, pilots must call HEATHROW Delivery stating "Ready for de-icing". This call must be made at { 5 minutes from TOBT.

Once de-icing on the gate is complete, pilots should call HEATHROW Delivery again, stating "De-icing complete, ready to push and start".

Pilots who have been allocated a remote de-icing area should contact HEATHROW Delivery, stating "Ready to push and start for remote de-icing".

3.2. START-UP AND PUSH-BACK PROCEDURES

3.2.1. APT-COLLABORATIVE DECISION MAKING (A-CDM)

3.2.1.1. TARGET OFF-BLOCK TIME (TOBT)/ TARGET START-UP APPROVAL TIME (TSAT)

Pilots should take note of the TSAT which they receive from their airline operator/ground handler or ATC and comply with it.

If TOBT or TSAT can no longer be met, at any time, then TOBT must be updated by airline operator/ground handler.

Pilot should ensure that the flight is ready to depart at TOBT { 5 minutes.

3.2.1.2. START REQUEST - HEATHROW DELIVERY

Pilot should report ready to HEATHROW Delivery at TOBT { 5 minutes.

ATC will then approve start or in the case of a delay will advise the TSAT.

- Pilots to monitor the frequency from this point, as TSAT can improve up to TOBT.
- Pilots will be informed of an ATC delay to TSAT in excess of 5 minutes.

If at TOBT +5 minutes ATC have not received a start-up request the ACFT may lose its position in the sequence.

- ATC will advise the pilot that a new TOBT is required.
- The ACFT will not be allowed to depart until a valid TOBT is entered and revised TSAT given and complied with.

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9 SEP 22

10-1P7

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3. DEPARTURE

3.2.1.3. REMOTE HOLDING REQUEST

If an airline operator is aware of a CTOT and wishes to take the delay on a TWY rather than on the stand, then they should contact the Tower supervisor via phone to arrange it.

In this instance, TSAT will be adjusted to allow ACFT to be transferred to HEATHROW Ground earlier for remote hold.

3.2.2. DATALINK DEPARTURE CLEARANCE (DCL)

DCL via SITA or ARINC.

DCL available from 25 minutes prior to EOBT to 15 minutes after EOBT. Clearance will not be issued if requested later than 15 minutes after EOBT.

Successful clearance must be accepted within 5 minutes after receipt or a "Revert to voice" message will be received.

If the attempt to obtain a clearance is unsuccessful, the ACFT should revert to RTF. Regardless of clearance source, departing ACFT must report ACFT type, stand number, QNH and the identification letter of the received ATIS information to HEATHROW Delivery when fully ready for push-back and start.

In strong crosswind conditions (crosswind component above 35 KT), pilots are requested to advise Ground Movement Planning, on start-up, of their ACFT crosswind limitations. This is to enable better tactical planning at the RWY holding point and a more efficient departure rate. In those conditions, this requirement will be confirmed through ATIS broadcast and NOTAM (if sufficient time allows).

3.2.3. START-UP

On first contact with HEATHROW Delivery, pilots are to report ACFT type, stand number, QNH and identification letter of received ATIS info.

Between 0630-1400 (0530-1300) and between 1500-2200 (1400-2100) pilots may call for ATC clearance up to 15 minutes prior to being fully ready to push-back. Pilots who wish to start engines on stand must request permission from HEATHROW Ground not later than 5 minutes after being transferred from Delivery.

All jet ACFT are to advise ATC, if for any reason they are unable to accelerate after noise abatement procedures to 250 KT.

Any jet ACFT with a minimum clean speed greater than 250 KT must inform HEATHROW Delivery.

ACFT unable to meet SID climb restrictions must inform HEATHROW Delivery via voice prior to push-back.

If within 30 minutes of a previously issued Calculated Take-off Time (CTOT) the flight is unable to comply with that CTOT, the pilot should advise ATC as soon as possible. Pilots are advised that delays in excess of 10 minutes can be expected at holding position. Sufficient time should be allowed for start, push-back and taxi to take account of such a delay especially if required to comply with a Calculated Take-off Time (CTOT).

3.2.4. PUSH-BACK

Following push-back from cul-de-sac stands, all ACFT must pull forward to a minimum of 328' /100m from the blast screen (indicated by a painted mark on the TWY centerline) before disconnecting the tug. Due to exhaust fume ingestion within the buildings at the end of all cul-de-sacs, engine start-up must be delayed until the ACFT has reached the 328' /100m mark. Pilot should be aware that, in order to maximise capacity within the Kilo (S) cul-de-sac, push-back clearances provided by ATC may include reference to a numbered "Tug Release Point" TRP 1, TRP 2 or TRP 3, which should be passed to ground crew along with the clearance. Ground handlers will understand these clearances and perform the push accordingly.

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10-1P8

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3. DEPARTURE

Before flight crew calls for push-back they must ensure that the tug driver is in the tug, ready to push, and able to listen to the communication with ATC.

Push-back/start clearance must be requested from HEATHROW Ground no later than 5 minutes after being transferred from Delivery.

Push-back approval includes permission to start engines during push-back.

Flight crews should only illuminate ACFT anti-collision lights following engine start or push-back clearance from ATC.

3.3. NOISE ABATEMENT PROCEDURES

3.3.1. GENERAL

The following procedures may at any time be departed from to the extent necessary for avoiding immediate danger or for complying with ATC instructions.

Every operator of ACFT using the APT shall ensure at all times that ACFT are operated in a manner calculated to cause the least disturbance practicable in areas surrounding the APT.

After take-off operate ACFT so that it is at or above 1090' at 6.5km from start of roll as measured along the departure track and so that it will not cause more than:

- 94 dBA between 0700-2300LT;
- 89 dBA between 2300-2330LT and between 0600-0700LT;
- 87 dBA between 2330-0600LT;

at any noise monitoring terminal. Jet ACFT maintain a minimum climb gradient of 243' per NM (4%) to at least 4000' to ensure progressively decreasing noise levels at points on the ground under the flight path beyond the monitoring terminal.

Noise preferential routing procedures applicable for all jet ACFT and other ACFT with MTWA of more than 5700kg (between 0600-2330LT of more than 17000kg and except any Dash 7 ACFT) are depicted on London Heathrow SID charts and on page 10-4.

3.3.2. NOISE QUOTA SYSTEM DURING NIGHT (2300-0700LT)

Main restrictions are as follows:

- Night Period (2300-0700LT);
- Night Quota Period (2330-0600LT).

The quota count is to be calculated based on the noise classification for the ACFT as follows:

Noise Classification (EPNdB)	QUOTA Count
less than 81	0
81 - 83.9	0.125
84 - 86.9	0.25
87 - 89.9	0.5
90 - 92.9	1
93 - 95.9	2
96 - 98.9	4
99 - 101.9	8
more than 101.9	16

3.4. SPEED RESTRICTIONS

When ATC removes MAX 250 KT speed restriction below FL 100 by the phrase " No ATC speed restriction" , this must not be interpreted as removing the responsibility to adhere to any speed/power limitations due to noise abatement procedures. If a pilot can anticipate to be unable to comply with speed restriction, state minimum speed acceptable when requesting start-up.

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9 SEP 22

10-1P9

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3. DEPARTURE

3.5. RWY OPERATIONS

3.5.1. MINIMUM RWY OCCUPANCY TIME

On receipt of line-up clearance, pilots should ensure, commensurate with safety and standard operating procedures, that they are able to taxi into the correct position at the hold and line up on the RWY as soon as the preceding ACFT has commenced its take-off roll.

Pilots in receipt of a conditional line-up clearance on a preceding departing ACFT (for example; "ABC123 behind the departing Sky Train A330, line up RWY 27L behind") should remain behind the subject ACFT but may cross the RWY holding point (subject to there being no illuminated red stop bar) and enter the RWY upon receipt of the clearance. There is no requirement for the subject ACFT to have commenced its take-off roll before entering the RWY. Pilots must be aware that there may be a blast hazard as the ACFT on the RWY applies power.

Pilots in receipt of a conditional line-up clearance on a preceding arriving ACFT (for example; "ABC123 behind the landing Sky Train A330, line up RWY 27L behind") may cross the RWY holding point (subject to there being no illuminated red stop bar) as soon as the landing ACFT has passed the RWY entry point.

Pilots who require to back-track the RWY (including line-up from N2W onto RWY 27L) must notify ATC prior to arrival at the holding point.

Pilots are advised that there is an increased risk of RWY Incursions when holding at N11 and NB11. Pilots may mistakenly believe that when on reaching the front of the queue, they have been given permission to line up in turn. Pilots are to be extra vigilant as to whether they have received a line-up clearance from ATC and seek confirmation where there is doubt.

Whenever possible, cockpit checks must be completed prior to line-up, and any checks requiring completion whilst on the RWY should be kept to the minimum required. Pilots should ensure that they are able to commence the take-off roll immediately after take-off clearance is issued.

Pilots not able to comply with these requirements should notify ATC as soon as possible once transferred to HEATHROW Tower.

3.5.2. RWY HOLDING AREAS

In promulgated holding areas, ATC may require ACFT to pass each other. Avoidance of other ACFT is the responsibility of the flight crew involved. If doubt exists as to whether other ACFT can be safely overtaken, ACFT must stop, advise ATC and request alternative instructions.

3.6. TAXI RESTRICTIONS

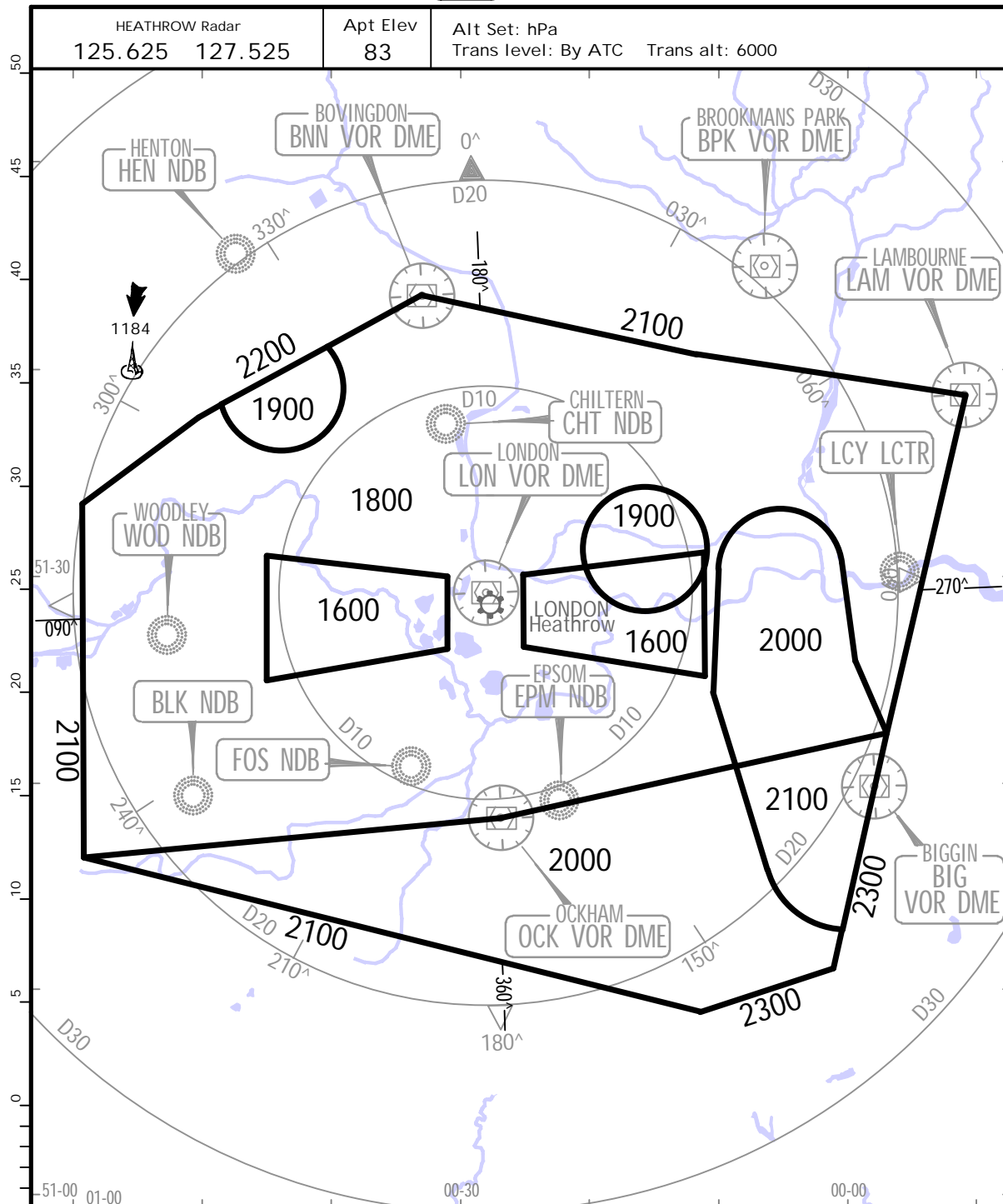
Flight crews must not enter the RWY unless verbal clearance has been received from ATC and the red stop bar has been extinguished.

If the red stop bar lights are extinguished but no verbal clearance has been received from ATC, flight crews must wait for verbal clearance before entering the RWY.

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HEATHROW

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11 JUN 21 10-1R

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.RADAR.MINIMUM.ALTITUDES.



OUTSIDE THE DESIGNATED RADAR MINIMUM ALTITUDE AREA

The minimum altitude to be allocated by the radar controller will be either the Minimum Sector Altitude or 1000 above any fixed obstacles:

- within 5 NM **1** of the aircraft and
- within the sector 15 NM **2** ahead of and within 20° either side of the aircraft's track.

3 NM **1** or 10 NM **2** when the aircraft is within 15 NM of the radar antennae.

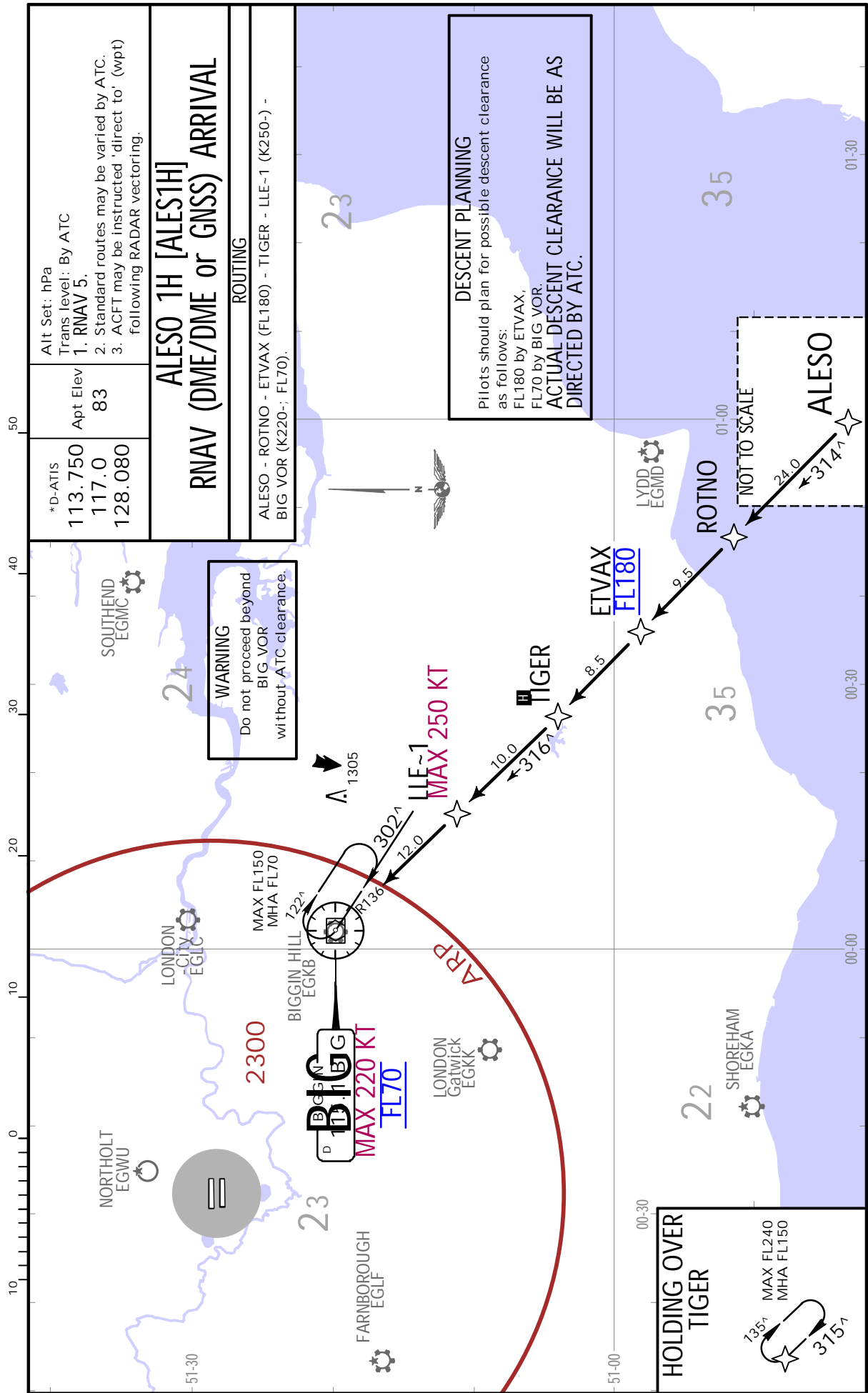
PROCEDURE	RWY	LOSS OF COMMUNICATION PROCEDURE
INITIAL APPROACH	09L/27R	Continue visually or by means of an appropriate approved final approach aid. If not possible proceed to CHT NDB or last assigned level if higher.
	09R/27L	Continue visually or by means of an appropriate approved final approach aid. If not possible proceed to EPM NDB or last assigned level if higher.
INTERMEDIATE AND FINAL APPROACH	09L/27R	Continue visually or by means of an appropriate approved final approach aid. If not possible follow the Missed Approach Procedure to CHT NDB.
	09R/27L	Continue visually or by means of an appropriate approved final approach aid. If not possible follow the Missed Approach Procedure to EPM NDB.

In all cases where the acft returns to the holding facility the procedures to be adopted are the Approach Radio Failure Procedures on charts 11-5/11-6.

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27 NOV 20 (10-2) .Eff.3.Dec.

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* D-ATIS 113.750	Apt Elev 83	Ait Set: hPa Trans level: By ATC 1. RNAV 5. 2. Standard routes may be varied by ATC. 3. ACFT may be instructed 'direct to' (wpt) following RADAR vectoring.
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ALESO 1H [ALES1H]
RNAV (DME/DME or GNSS) ARRIVAL

ROUTING
ALESO - ROTNO - ETVAX (FL180) - TIGER - LLE-1 (K250-) - BIG VOR (K220-; FL70).

DESCENT PLANNING
Pilots should plan for possible descent clearance as follows:
FL180 by ETVAX,
FL70 by BIG VOR.
ACTUAL DESCENT CLEARANCE WILL BE AS DIRECTED BY ATC.

WARNING
Do not proceed beyond BIG VOR without ATC clearance.

HOLDING OVER TIGER
135°
MAX FL240
MHA FL150
3750

EGLL/LHR
HEATHROW

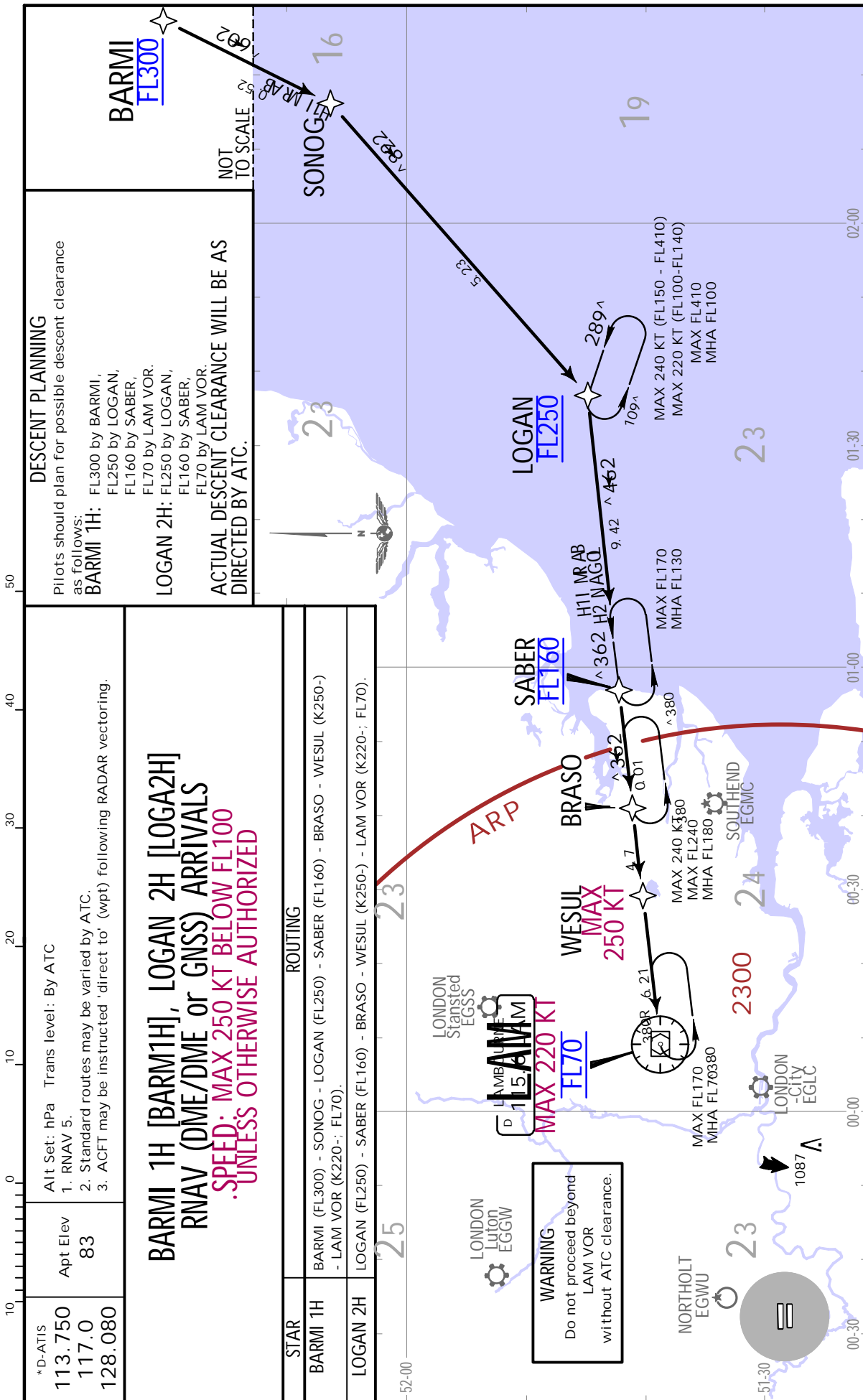
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.RNAV.STAR.

27 NOV 20

10-2A

.Eff.3.Dec.



D-ATIS	113.750	117.0	128.080	Apt Elev	83
Alt Set: hPa	Trans level: By ATC				
RNAV 5					
1. Standard routes may be varied by ATC. 2. ACFT may be instructed 'direct to' (wpt) following RADAR vectoring.					

TOBID 1X [TOB1X] 1
RNAV (DME/DME or GNSS)
ARRIVAL

DURING PERIODS OF CONGESTION TRAFFIC MAY BE ROUTED VIA OCK 1Z AS DIRECTED BY ATC NOT TO BE USED FOR FLIGHT PLANNING PURPOSES

DESCENT PLANNING

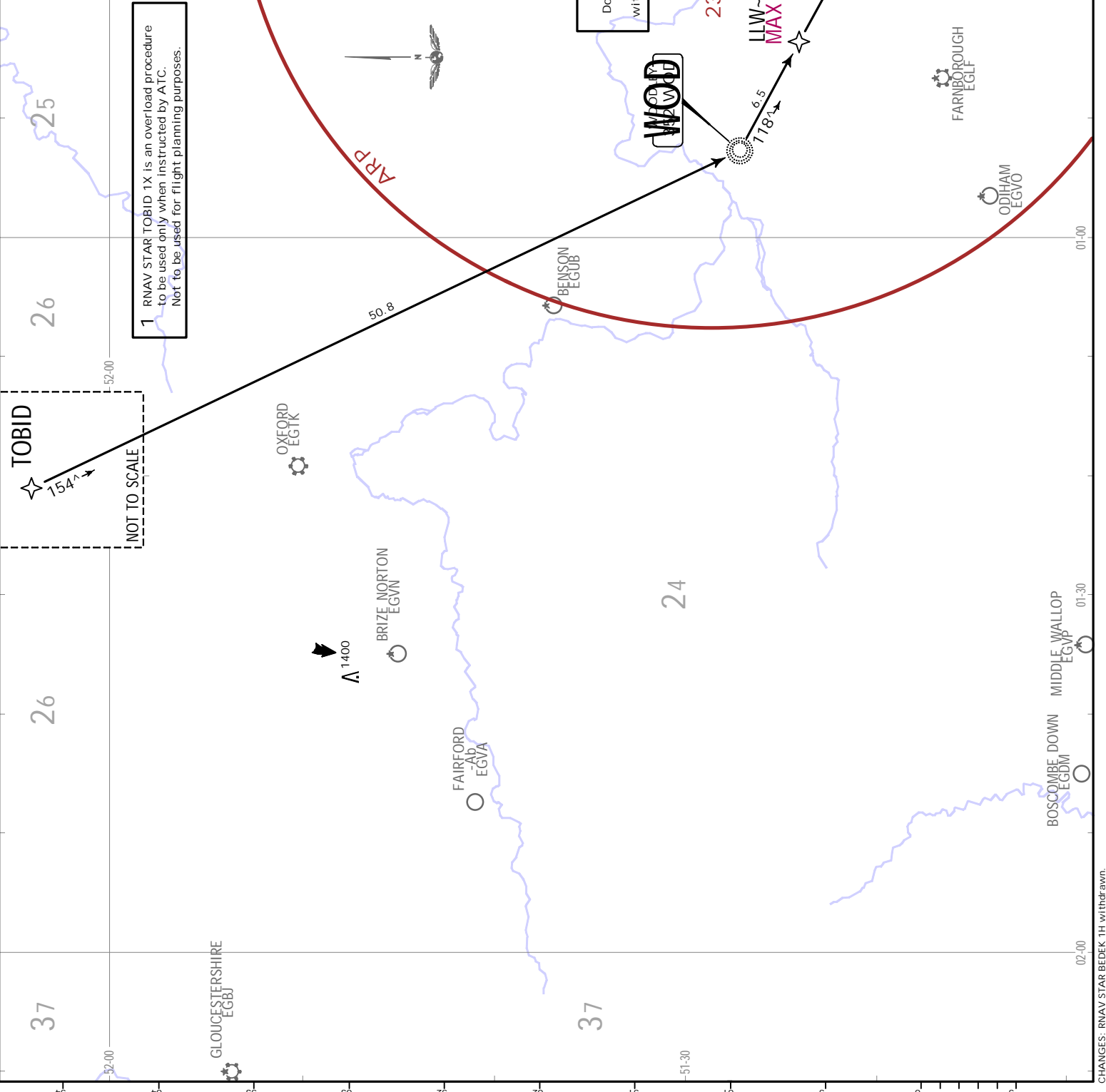
Pilots should plan for possible descent clearance as follows:
 FLO70 by OCK VOR.
ACTUAL DESCENT CLEARANCE WILL BE AS DIRECTED BY ATC.

ROUTING

TOBID - WOD NDB - LLW-2 (K250-) - OCK VOR (K220-; FLO70).

1 RNAV STAR TOBID 1X is an overload procedure to be used only when instructed by ATC. Not to be used for flight planning purposes.

TOBID
 ☆ 154°
 NOT TO SCALE



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 17 MAR 23 (10-2A2) .Eff. 23.Mar.

EGLL/LHR
 HEATHROW

D-ATIS	Alt Set: hPa	Trans level: By ATC
113.750	RNAV 5	
117.0	Apt Elev	83
128.080	1. Standard routes may be varied by ATC. 2. ACFI may be instructed 'direct to' (wpt) following RADAR vectoring.	

LAM 1Z [LAM1Z] 1
NUGRA 1H [NUGR1H]
RNAV (DME/DME or GNSS) ARRIVALS
.SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORIZED

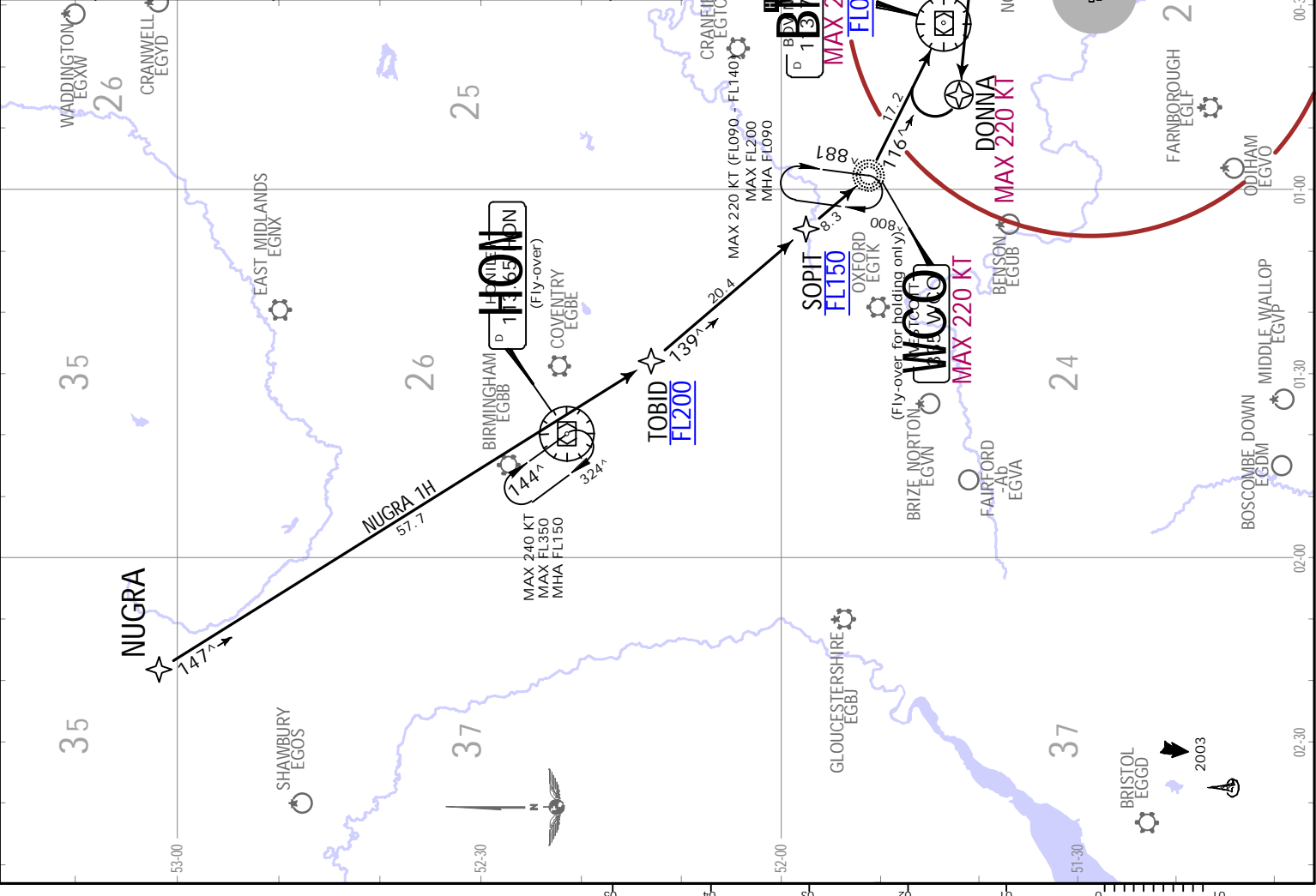
1 RNAV STAR LAM 1Z is an overload procedure to be used only when instructed by ATC. Not to be used for flight planning purposes.

DESCENT PLANNING
 Pilots should plan for possible descent clearance as follows:
LAM 1Z: FL070 by BNN VOR.
NUGRA 1H: FL200 by TOBID, FL150 by SOPIT, FL070 by BNN VOR.
ACTUAL DESCENT CLEARANCE WILL BE AS DIRECTED BY ATC.

ROUTING	
STAR	LAM 1Z
	NUGRA 1H

WARNING
 Do not proceed beyond BNN VOR without ATC clearance.

BNN VOR
 (Fly-over)
 716.1
 29%
 MAX 220 KT (FL070 - FL140)
 MAX FL170
 MHA FL070



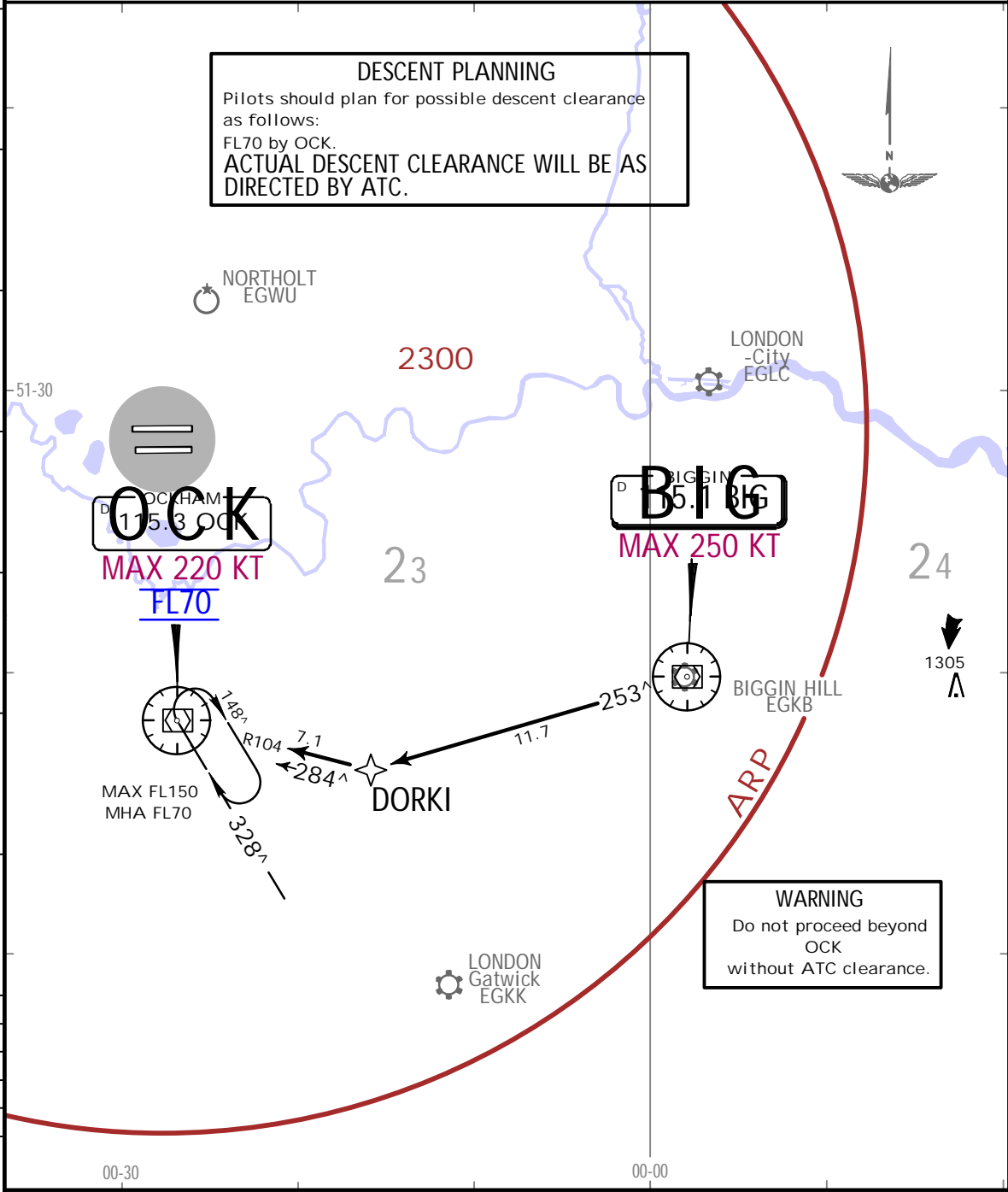
EGLL/LHR
HEATHROW

JEPPESEN
27 NOV 20 10-2B .Eff.3.Dec.

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.RNAV.STAR.

113.750	*D-ATIS 117.0	128.080	Apt Elev 83	Alt Set: hPa Trans level: By ATC 1. RNAV 5. 2. Standard routes may be varied by ATC. 3. Acft may be instructed 'direct to' (wpt) following RADAR vectoring.
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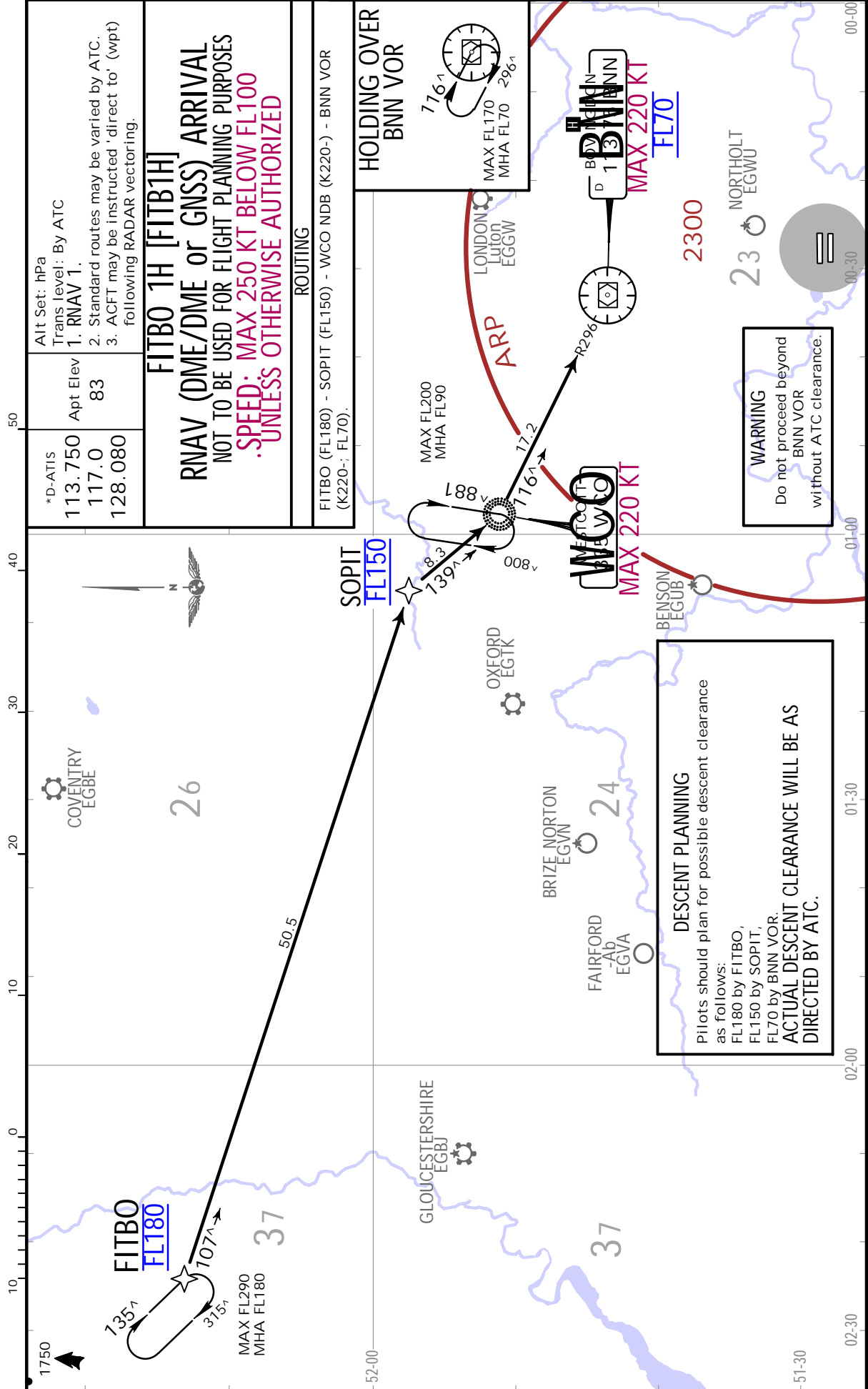
BIG 1Z
RNAV (DME/DME or GNSS) ARRIVAL
 STAR IS TO FACILITATE THE TRANSFER OF TRAFFIC BETWEEN TERMINAL HOLDING FACILITIES AND ARE FOR USE ONLY AS DIRECTED BY ATC
 NOT TO BE USED FOR FLIGHT PLANNING PURPOSES
 DURING PERIODS OF CONGESTION TRAFFIC MAY BE ROUTED VIA OCK 1Z AS DIRECTED BY ATC



EGLL/LHR
HEATHROW

JEPPESSEN
27 NOV 20 **10-2C** .Eff.3.Dec.

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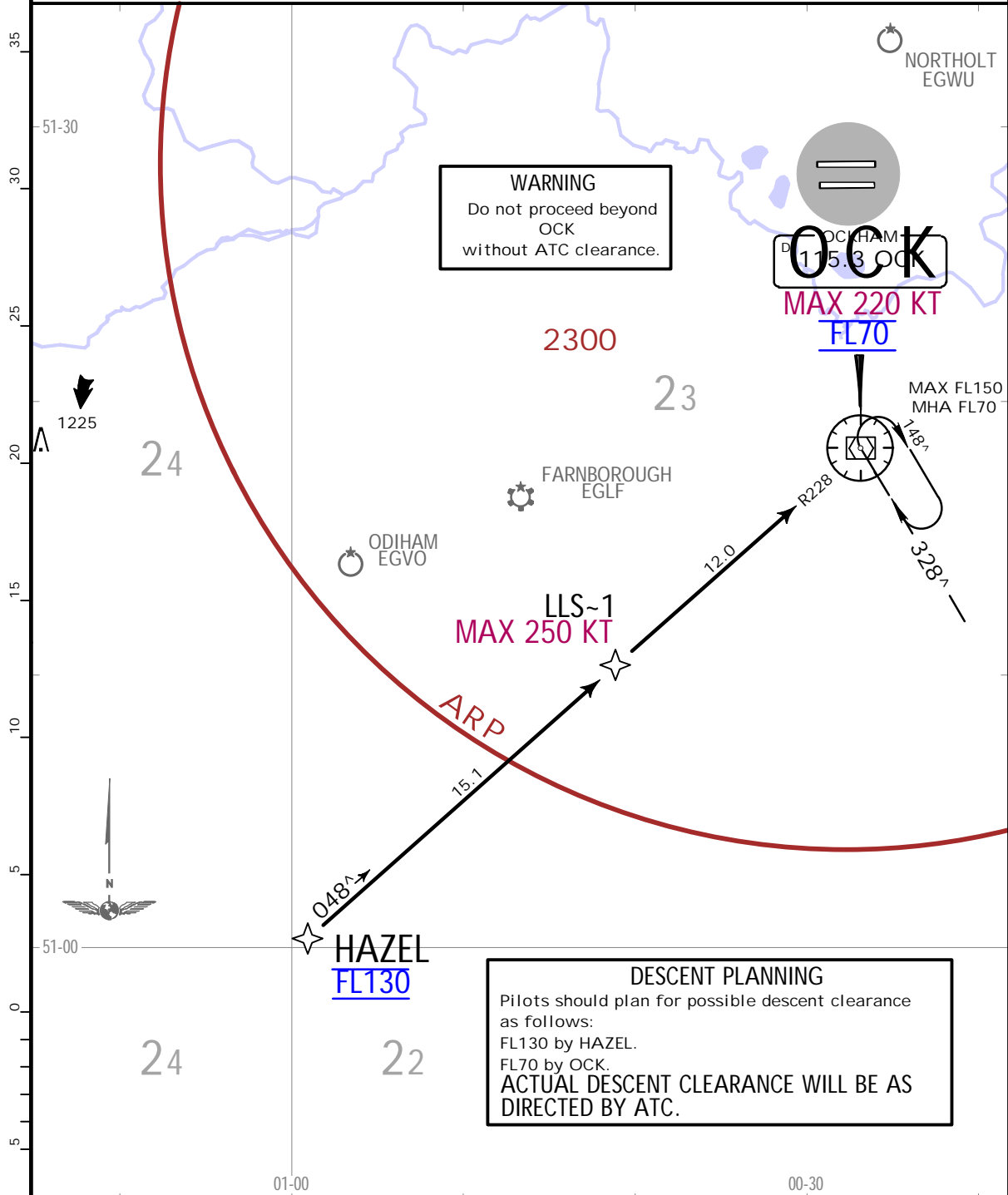
EGLL/LHR
HEATHROW

JEPPESSEN
27 NOV 20 (10-2C1) .Eff.3.Dec.

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.RNAV.STAR.

113.750	*D-ATIS 117.0	128.080	Apt Elev 83	Alt Set: hPa Trans Level: By ATC 1. RNAV 5. 2. Standard routes may be varied by ATC. 3. Acft may be instructed 'direct to' (wpt) following RADAR vectoring.
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HAZEL 1H [HAZE1H]
RNAV (DME/DME or GNSS) ARRIVAL
 DURING PERIODS OF CONGESTION TRAFFIC MAY
 BE ROUTED VIA OCK 1Z AS DIRECTED BY ATC
 NOT TO BE USED FOR FLIGHT PLANNING PURPOSES



ROUTING
HAZEL (FL130) - LLS-1 (K250-) - OCK (K220-; FL70).

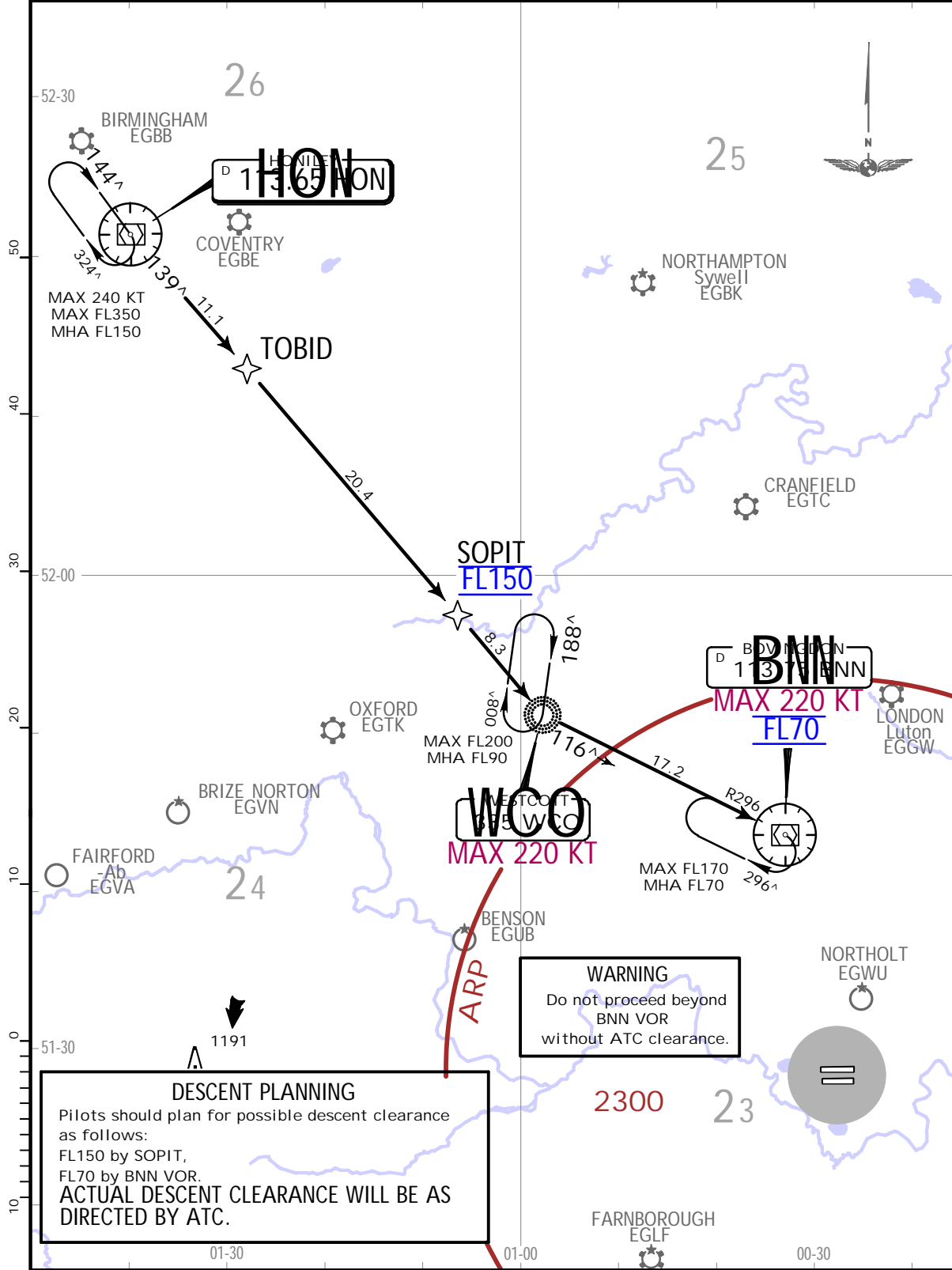
EGLL/LHR
HEATHROW

JEPPESEN
27 NOV 20 (10-2C2) .Eff.3.Dec.

LONDON, UK
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113.750	*D-ATIS 117.0	128.080	Apt Elev 83	Alt Set: hPa Trans Level: By ATC 1. RNAV 5. 2. Standard routes may be varied by ATC. 3. ACFT may be instructed 'direct to' (wpt) following RADAR vectoring.
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HON 1H RNAV (DME/DME or GNSS) ARRIVAL
.SPEED: MAX 250 KT BELOW FL100 UNLESS AUTHORIZED BY ATC

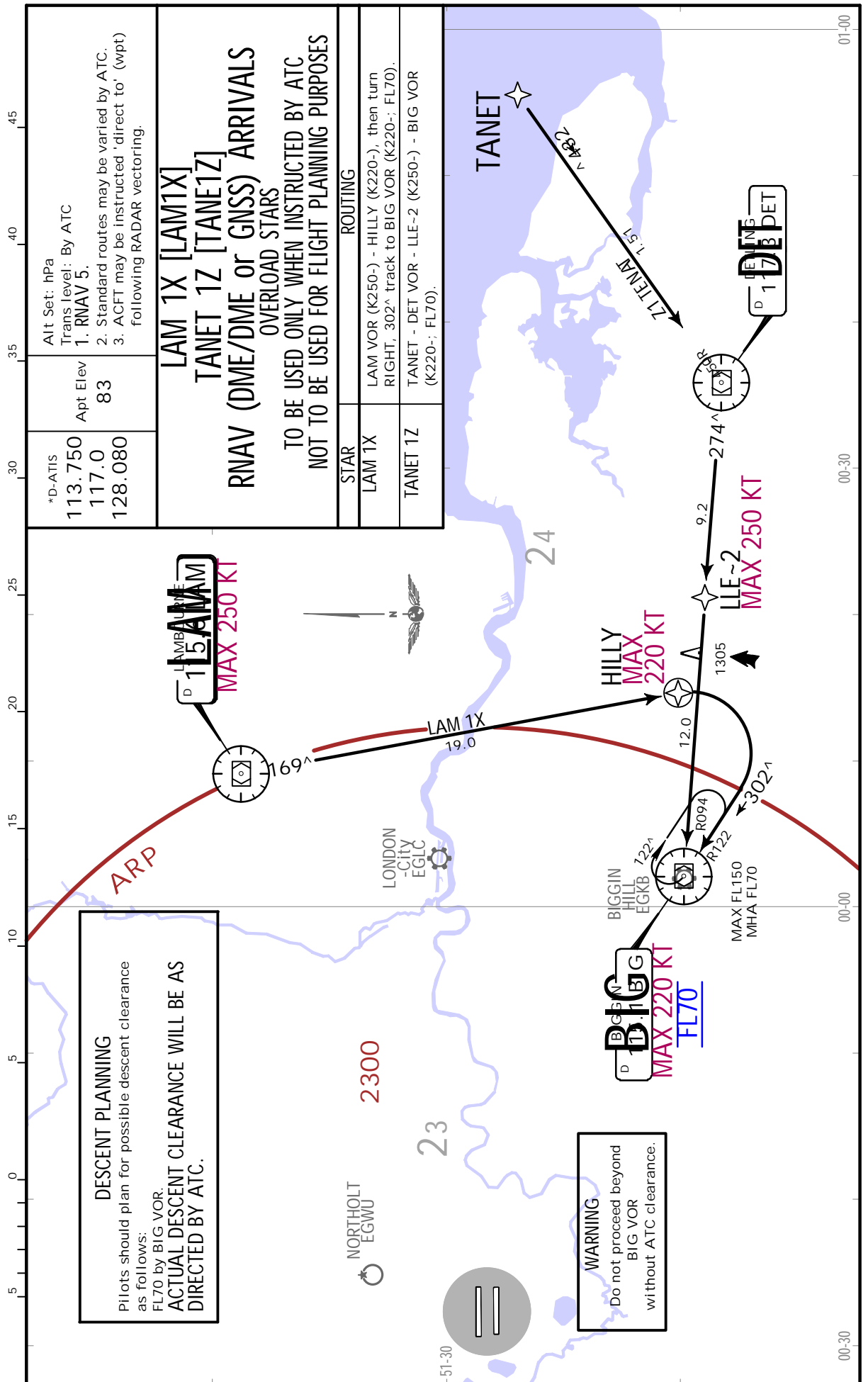


ROUTING
HON VOR - TOBID - SOPIT (FL150) - WCO NDB (K220-) - BNN VOR (K220-; FL70).

EGLL/LHR
HEATHROW

JEPPESSEN
27 NOV 20 **(10-2D)** .Eff.3.Dec.

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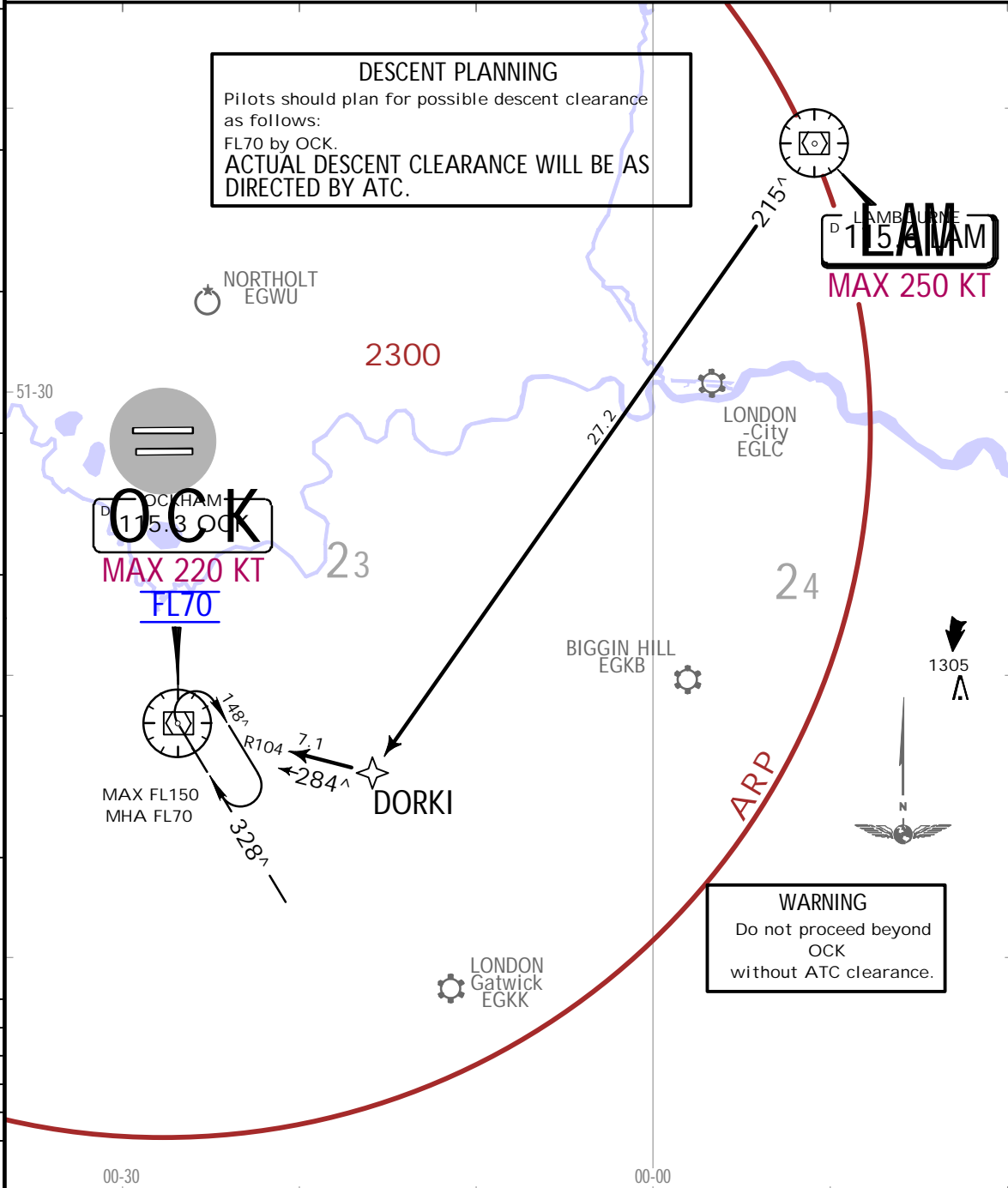
EGLL/LHR
HEATHROW

JEPPESSEN
27 NOV 20 10-2E .Eff.3.Dec.

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113.750	*D-ATIS 117.0	128.080	Apt Elev 83	Alt Set: hPa Trans level: By ATC 1. RNAV 5. 2. Standard routes may be varied by ATC. 3. ACFT may be instructed 'direct to' (wpt) following RADAR vectoring.
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LAM 1Y
RNAV (DME/DME or GNSS) ARRIVAL
 STAR IS TO FACILITATE THE TRANSFER OF TRAFFIC BETWEEN TERMINAL HOLDING FACILITIES AND ARE FOR USE ONLY AS DIRECTED BY ATC
 NOT TO BE USED FOR FLIGHT PLANNING PURPOSES DURING PERIODS OF CONGESTION TRAFFIC MAY BE ROUTED VIA OCK 1Z AS DIRECTED BY ATC



DESCENT PLANNING
 Pilots should plan for possible descent clearance as follows:
 FL70 by OCK.
ACTUAL DESCENT CLEARANCE WILL BE AS DIRECTED BY ATC.

WARNING
 Do not proceed beyond OCK without ATC clearance.

ROUTING
 LAM (K250-) - DORKI - OCK (K220-; FL70).

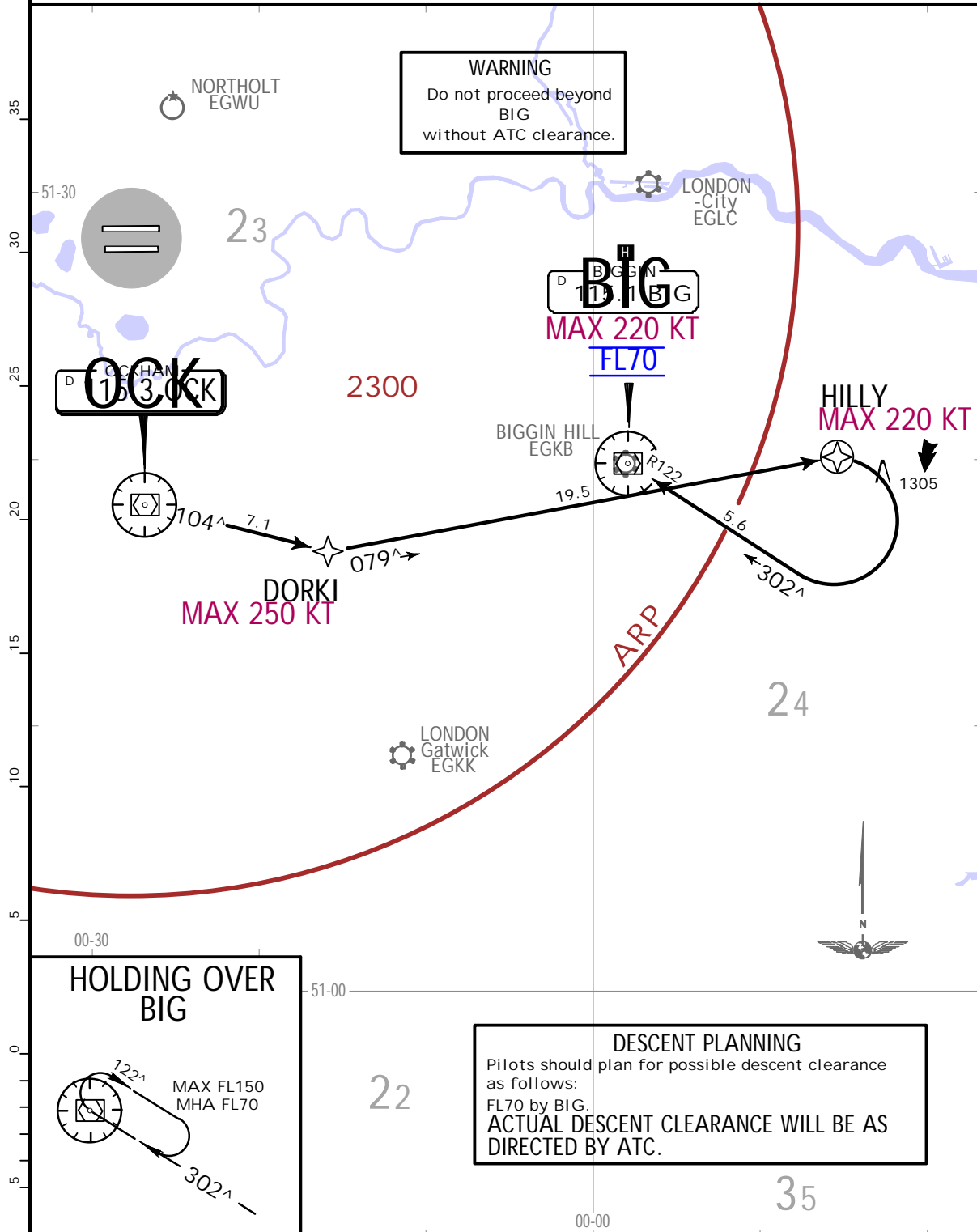
EGLL/LHR
HEATHROW

JEPPESEN
27 NOV 20 10-2F .Eff.3.Dec.

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113.750	*D-ATIS 117.0	128.080	Apt Elev 83	Alt Set: hPa Trans level: By ATC 1. RNAV 5. 2. Standard routes may be varied by ATC. 3. Acft may be instructed 'direct to' (wpt) following RADAR vectoring.
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OCK 1Z RNAV (DME/DME or GNSS) ARRIVAL



HOLDING OVER BIG

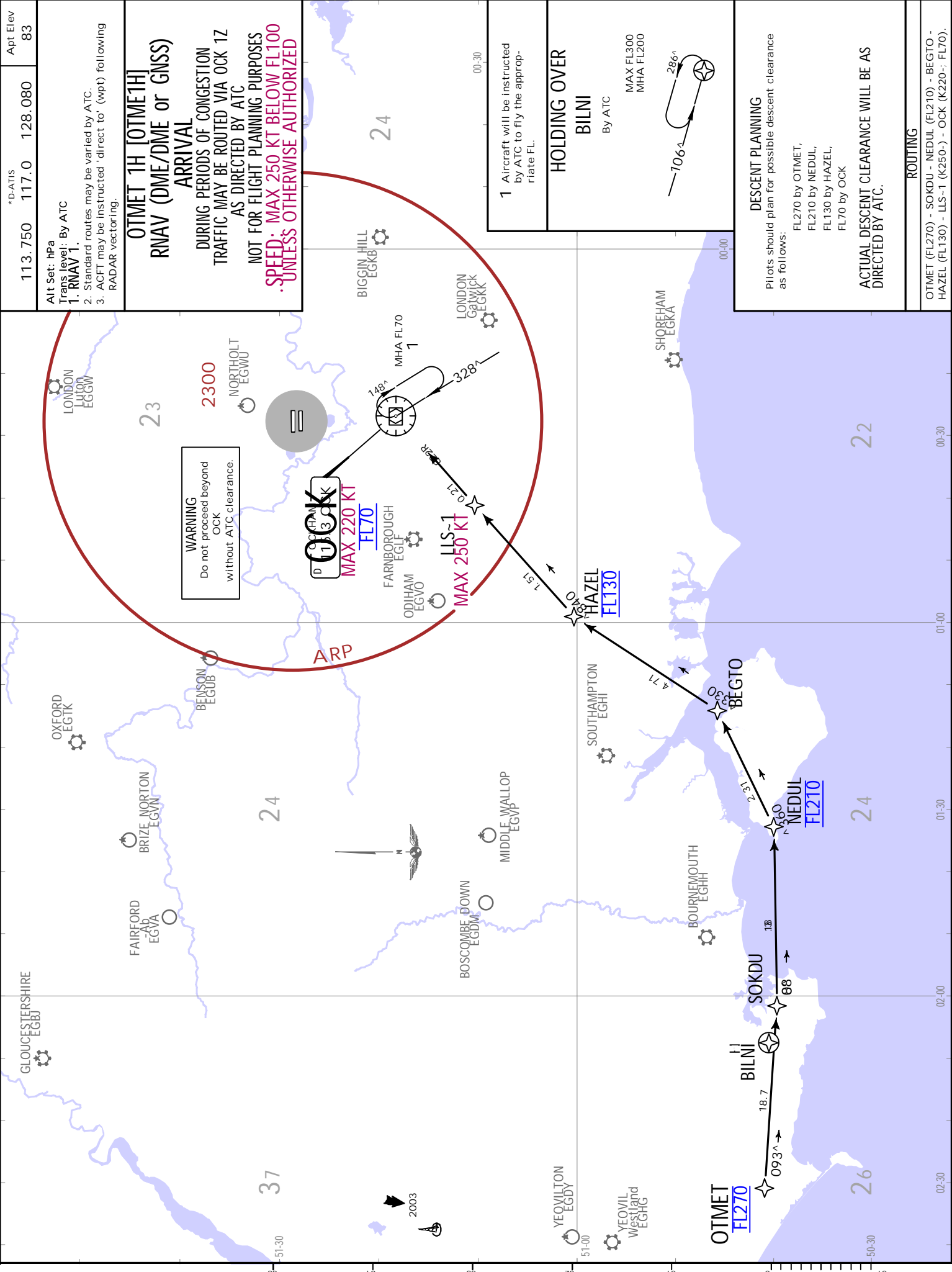
MAX FL150
MHA FL70

722°
302°

DESCENT PLANNING

Pilots should plan for possible descent clearance as follows:
FL70 by BIG.
ACTUAL DESCENT CLEARANCE WILL BE AS DIRECTED BY ATC.

ROUTING
OCK - DORKI (K250-) - HILLY (K220-), turn RIGHT, 302° track to BIG (K220-; FL70).



*D-ATIS
 113.750 117.0 128.080
 Apt Elev 83
 Alt Set: hPa
 Trans level: By ATC
 1. RNAV 1.
 2. Standard routes may be varied by ATC.
 3. ACFT may be instructed 'direct to' (wpt) following RADAR vectoring.

OTMET 1H [OTMET1H]
RNAV (DME/DME or GNSS)
ARRIVAL
 DURING PERIODS OF CONGESTION
 TRAFFIC MAY BE ROUTED VIA OCK 1Z
 AS DIRECTED BY ATC
 NOT FOR FLIGHT PLANNING PURPOSES
.SPEED: MAX 250 KT BELOW FL100
.UNLESS OTHERWISE AUTHORIZED

WARNING
 Do not proceed beyond
 OCK
 without ATC clearance.

OCK
 MAX 220 KT
 FL70
 MAX 250 KT
 ILS-1

1 Aircraft will be instructed
 by ATC to fly the appropriate FL.
HOLDING OVER
BILNI
 By ATC
 MAX FL300
 MHA FL200
 706°
 286°

DESCENT PLANNING
 Pilots should plan for possible descent clearance as follows:
 FL270 by OTMET,
 FL210 by NEDUL,
 FL130 by HAZEL,
 FL70 by OCK
ACTUAL DESCENT CLEARANCE WILL BE AS DIRECTED BY ATC.

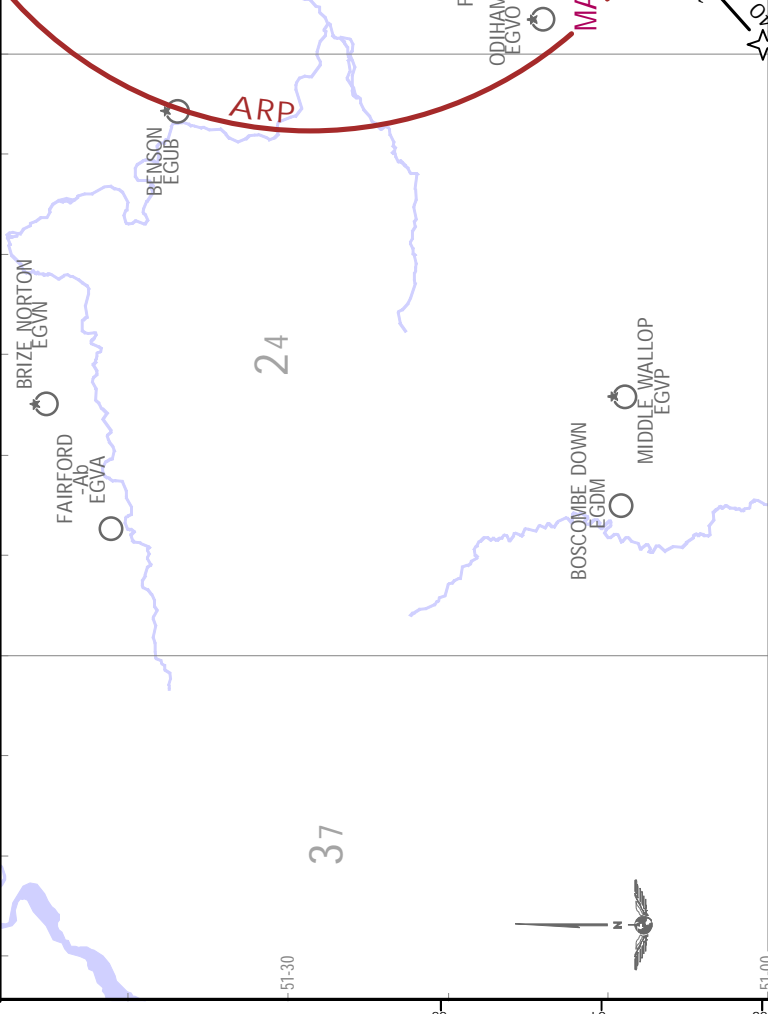
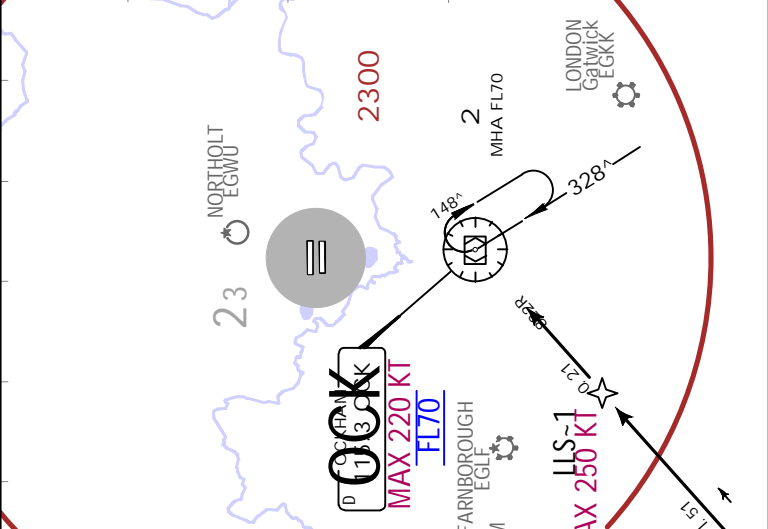
ROUTING
 OTMET (FL270) - SOKDU - NEDUL (FL210) - BEGTO - HAZEL (FL130) - ILS-1 (K250-) - OCK (K220-) - FL70.

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.RNAV.SSTAR.

JEPPESEN
 27 NOV 20
 (10-2J) .EFF. 3.Dec.

EGLL/LHR
 HEATHROW

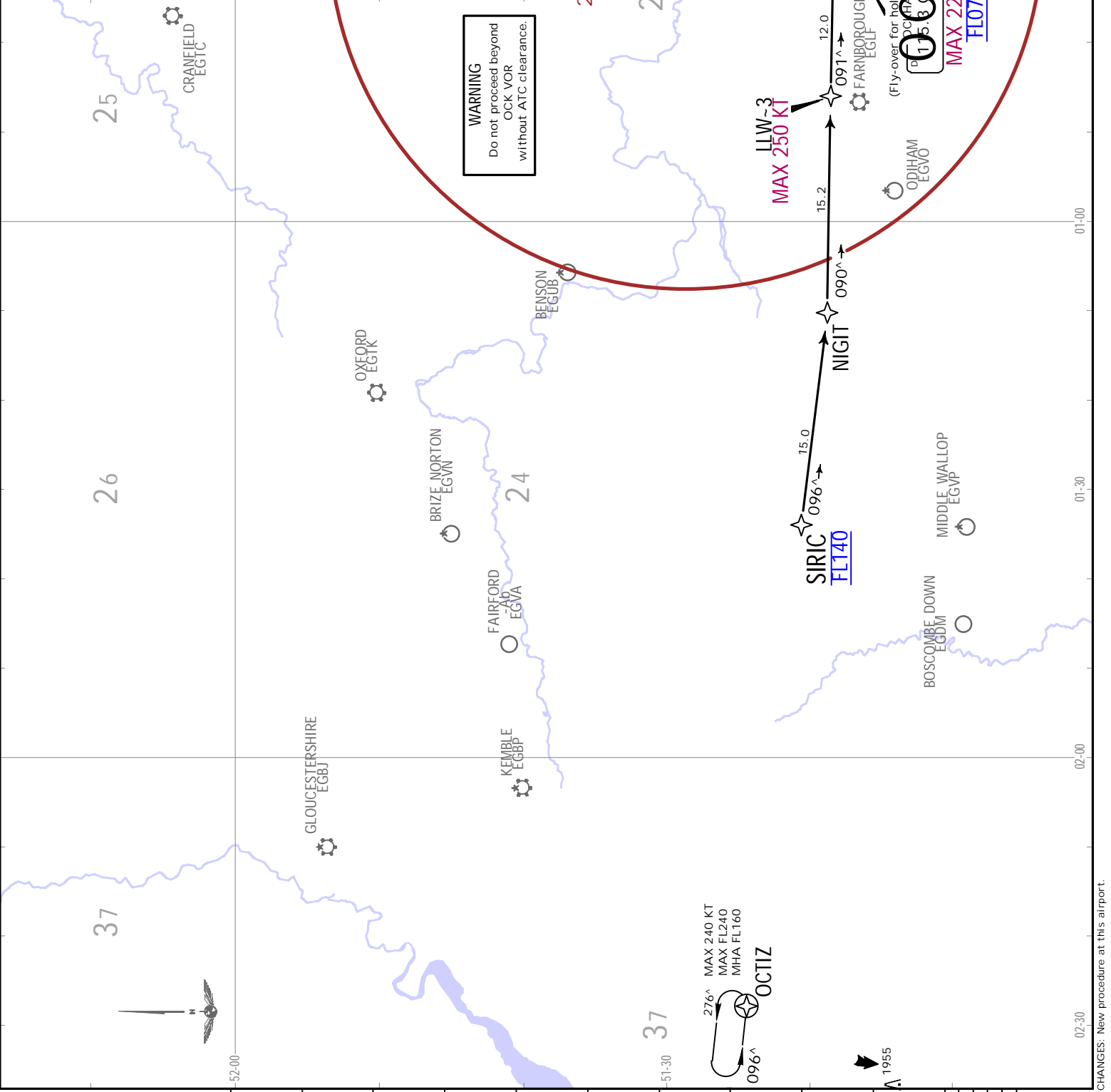
*D-ATIS	113.750	117.0	128.080	Apt Elev	83
Alt Set: hPa					
Trans level: By ATC					
1. RNAV 1.					
2. Standard routes may be varied by ATC.					
3. ACFT may be instructed 'direct to' (wpt) following RADAR vectoring.					
<p>ROXOG 1H [ROX01H] RNAV (DME/DME or GNSS) ARRIVAL DURING PERIODS OF CONGESTION TRAFFIC MAY BE ROUTED VIA OCK 1Z AS DIRECTED BY ATC NOT FOR FLIGHT PLANNING PURPOSES .SPEED: MAX 250 KT BELOW FL100 .UNLESS OTHERWISE AUTHORIZED</p>					
<p>24</p> <p>WARNING Do not proceed beyond OCK without ATC clearance.</p>					



00-00	00-30
1 Right hand pattern may be instructed by ATC.	
2 Aircraft will be instructed by ATC to fly the appropriate FL.	
<p>HOLDINGS OVER</p> <p>DOMUT By ATC</p> <p>MHA FL230</p> <p>KATHY 1 By ATC</p> <p>MAX FL190 MHA FL160</p>	
<p>DESCENT PLANNING</p> <p>Pilots should plan for possible descent clearance as follows: FL130 by HAZEL, FL70 by OCK</p> <p>ACTUAL DESCENT CLEARANCE WILL BE AS DIRECTED BY ATC.</p>	
<p>ROUTING</p>	
<p>ROXOG - AMTOD - BEGTO - HAZEL (FL130) - ILS-1 (K250-) - OCK (K220-) - FL70.</p>	

JEPPESEN
LONDON, UK
 17 MAR 23 10-2K .Eff. 23.Mar. .RNAV.S.TAR.

D-ATIS 113.750	Trans level: By ATC 117.0	128.080	Apt Elev 83
RNAV 1			
1. Standard routes may be varied by ATC. 2. ACFT may be instructed 'direct to' (wpt) following RADAR vectoring.			
<p>SIRIC 1H [SIRI1H] RNAV (DME/DME or GNSS) ARRIVAL DURING PERIODS OF CONGESTION TRAFFIC MAY BE ROUTED VIA OCK 1Z AS DIRECTED BY ATC NOT TO BE USED FOR FLIGHT PLANNING PURPOSES .SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORIZED</p>			
<p>DESCENT PLANNING Pilots should plan for possible descent clearance as follows: FL140 by SIRIC, FL070 by OCK VOR. ACTUAL DESCENT CLEARANCE WILL BE AS DIRECTED BY ATC.</p>			
<p>ROUTING SIRIC (FL140) - NIGIT - LLW-3 (K250-) - OCK VOR (K220-; FL070).</p>			



EGLL/LHR
HEATHROW

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JEPPesen
 17 MAR 23 10-2L .Eff. 23.Mar.

EGLL/LHR
 HEATHROW

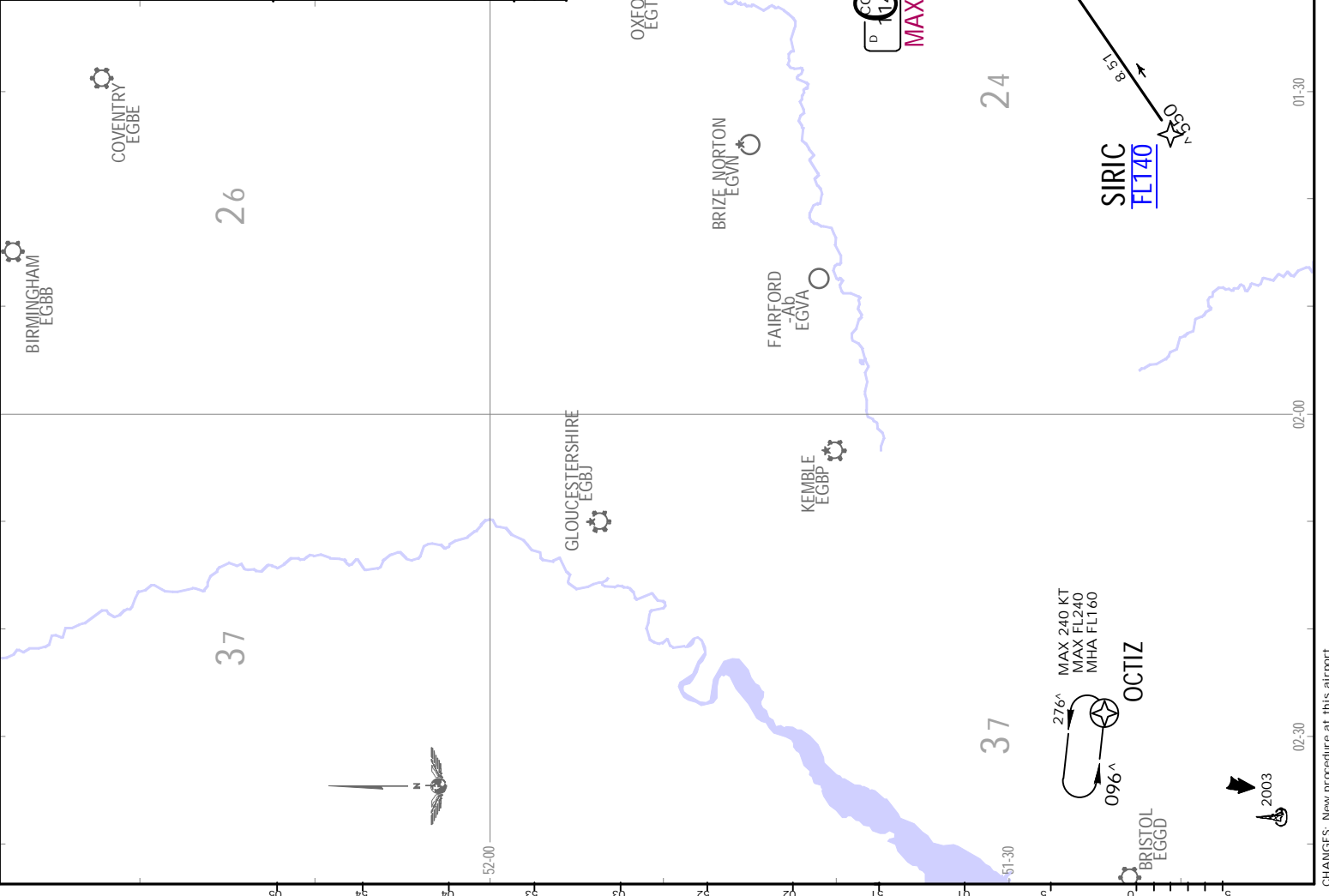
D-ATIS 113.750 117.0 128.080	Apt Elev 83	Alt Set: hPa Trans level: By ATC RNAV 1
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SIRIC 1Z [SIR1Z] 1
RNAV (DME/DME or GNSS) ARRIVAL
.SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORIZED

1 RNAV STAR SIRIC 1Z is an overload procedure to be used only when instructed by ATC. Not to be used for flight planning purposes.

DESCENT PLANNING
 Pilots should plan for possible descent clearance as follows:
 FL140 by SIRIC,
 FLO70 by BNN VOR,
ACTUAL DESCENT CLEARANCE WILL BE AS DIRECTED BY ATC.

ROUTING
 SIRIC (FL140) - CPT VOR (K250-) - BNN VOR (K220-) - FLO70).

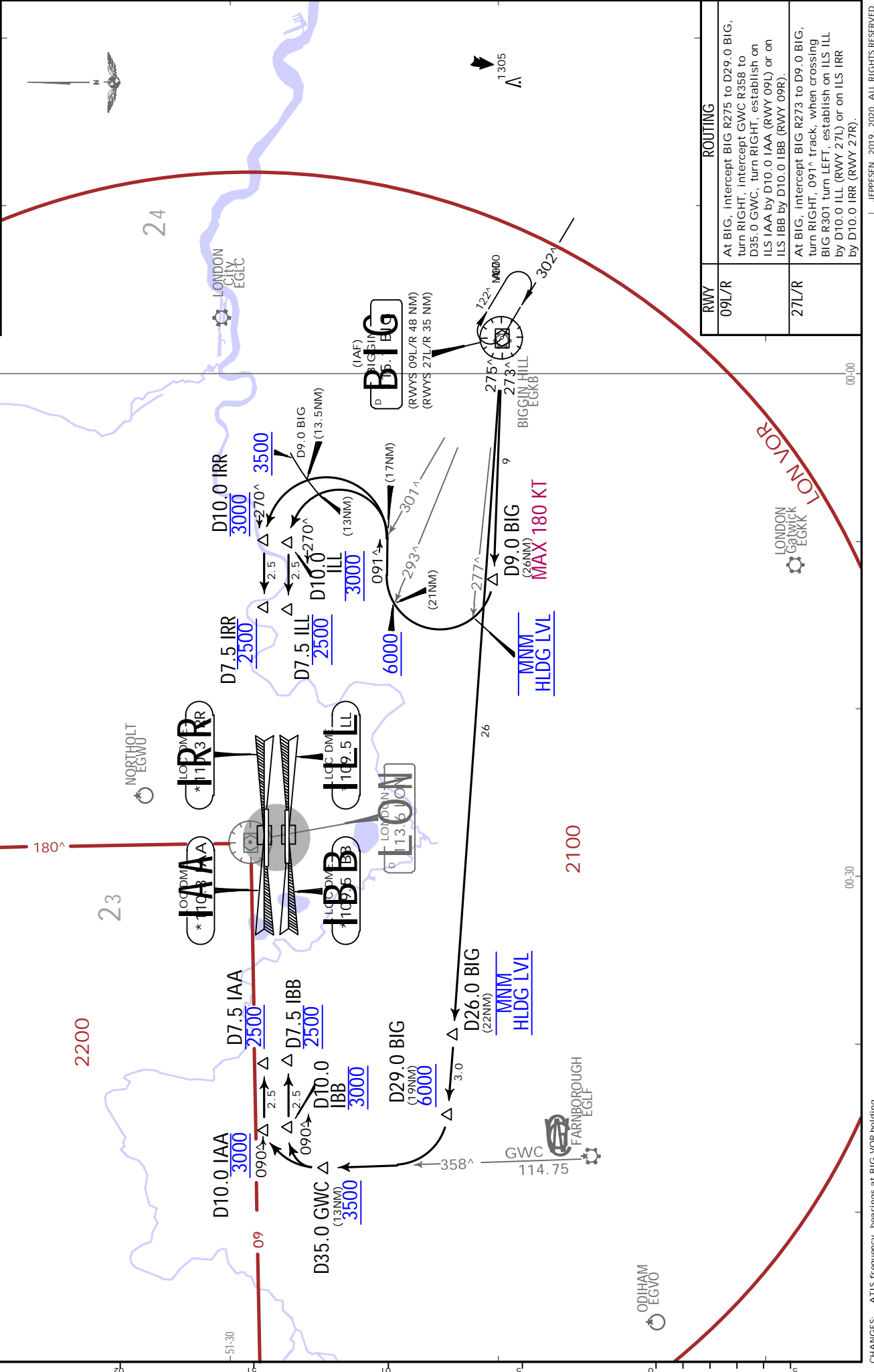


RWYS 09L/R, 27L/R
INITIAL APPROACH
WITHOUT RADAR CONTROL
FROM BIG TO ILS

FOR FINAL APPROACH
SEE APPROACH CHARTS

Alt Set: hPa Trans level: By ATC

1. Minimum holding level (Flight Level equivalent of 7000) is above TA and will be allocated by ATC.
2. Initial approach procedures are designed for manoeuvring speeds up to 220 KT and assume acft can maintain a descent gradient of approximately 320 per NM.
3. Continuous descent approach should be used whenever practicable unless otherwise instructed by ATC. Procedure design is compatible with 3° descent path from 6000.
4. Approximate distances to touchdown are indicated in brackets.



RWY	ROUTING
09L/R	At BIG, intercept BIG R275 to D29.0 BIG, turn RIGHT, intercept GWC R358 to D35.0 GWC, turn RIGHT, establish on ILS IAA by D10.0 IAA (RWY 09L) or on ILS IBB by D10.0 IBB (RWY 09R).
27L/R	At BIG, intercept BIG R273 to D9.0 BIG, turn RIGHT, 091° track, when crossing BIG R301 turn LEFT, establish on ILS ILL by D10.0 ILL (RWY 27L) or on ILS IRR by D10.0 IRR (RWY 27R).

JEPPESEN
27 NOV 20
Eff. 3 Dec. (10-20)

LONDON, UK
INITIAL APPROACH

EGLL/LHR
HEATHROW

RWYS 09L/R, 27L/R
INITIAL APPROACH
WITHOUT RADAR CONTROL
FROM BNN TO ILS

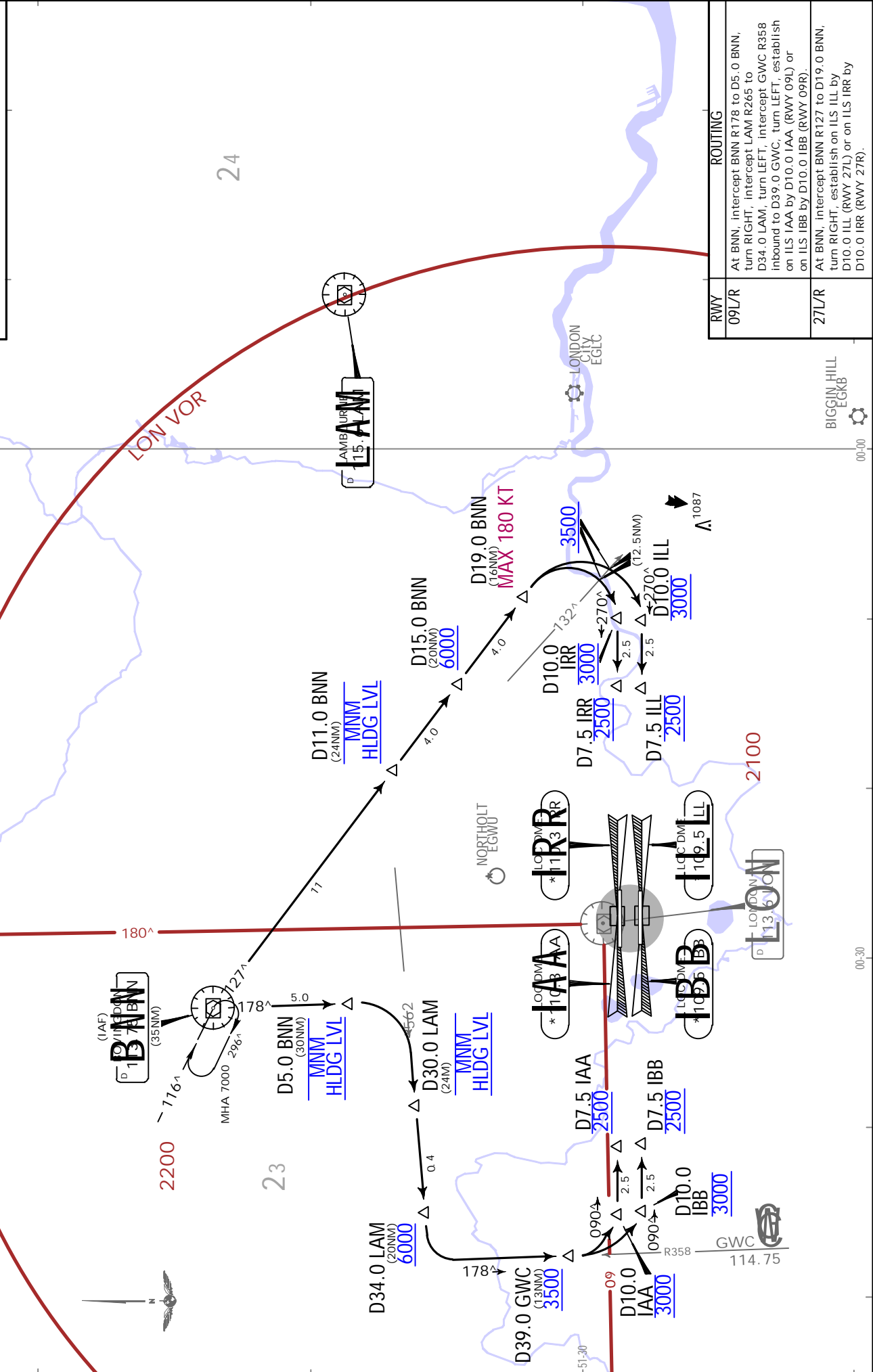
FOR FINAL APPROACH
SEE APPROACH CHARTS

Alt Set: hPa Trans level: By ATC

- Minimum holding level (Flight Level equivalent of 7000) is above TA and will be allocated by ATC.
- Initial approach procedures are designed for manoeuvring speeds up to 220 KT and assume acft can maintain a descent gradient of approximately 320 per NM.
- Continuous descent approach should be used whenever practicable unless otherwise instructed by ATC. Procedure design is compatible with 3° descent path from 6000.
- Approximate distances to touchdown are indicated in brackets.

*D-ATIS
113.750
117.0
128.080

Apt Elev
83

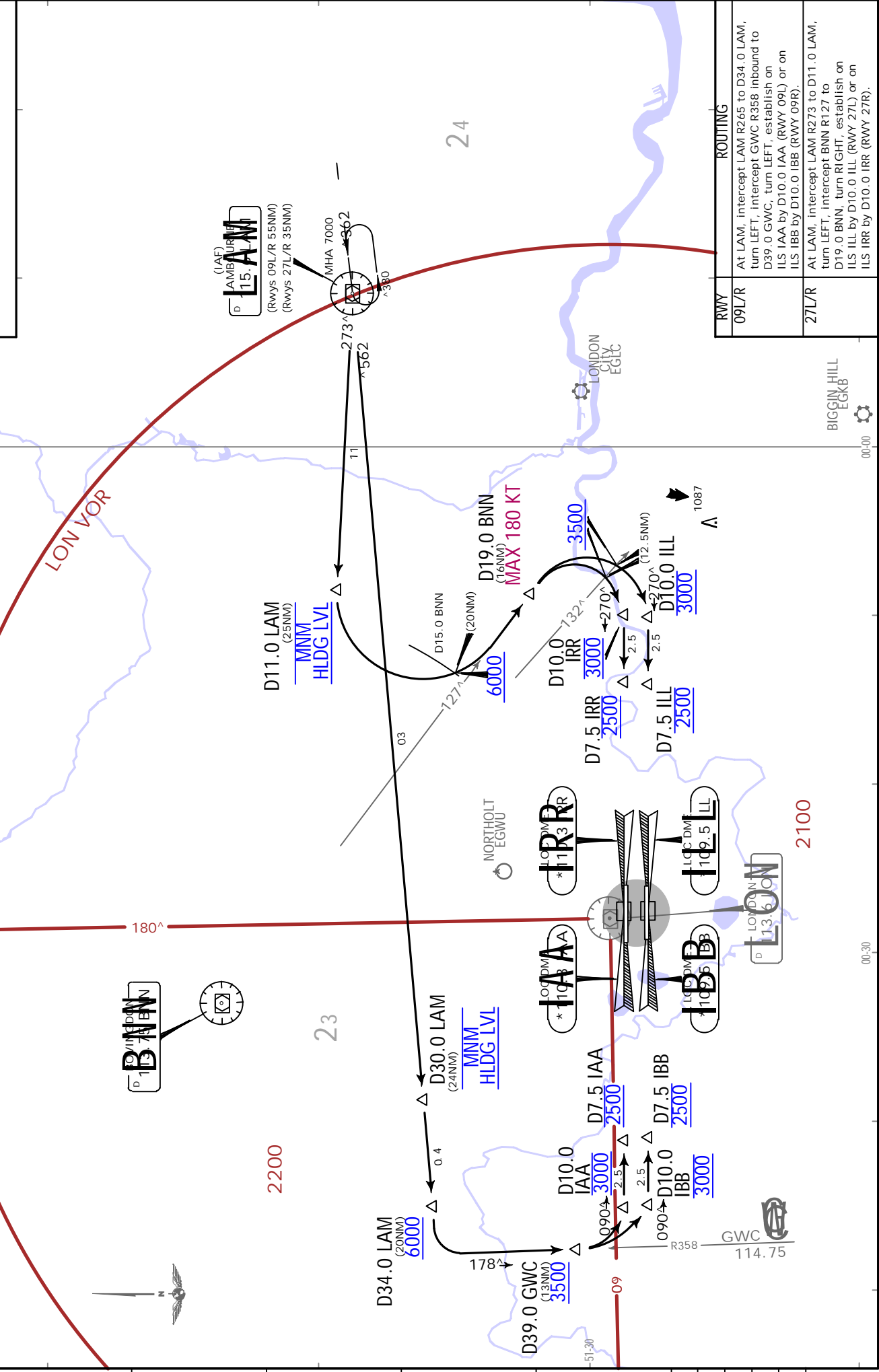


RWY	ROUTING
09L/R	At BNN, intercept BNN R178 to D5.0 BNN, turn RIGHT, intercept LAM R265 to D34.0 LAM, turn LEFT, intercept GWC R358 inbound to D39.0 GWC, turn LEFT, establish on ILS IAA by D10.0 IAA (RWY 09L) or on ILS IBB by D10.0 IBB (RWY 09R).
27L/R	At BNN, intercept BNN R127 to D19.0 BNN, turn RIGHT, establish on ILS ILL by D10.0 ILL (RWY 27L) or on ILS IRR by D10.0 IRR (RWY 27R).

**RWYS 09L/R, 27L/R
 INITIAL APPROACH
 WITHOUT RADAR CONTROL
 FROM LAM TO ILS**
**FOR FINAL APPROACH
 SEE APPROACH CHARTS**

- Alt Set: hPa Trans level: By ATC
1. Minimum holding level (Flight Level equivalent of 7000) is above TA and will be allocated by ATC.
 2. Initial approach procedures are designed for manoeuvring speeds up to 220 KT and assume acft can maintain a descent gradient of approximately 320 per NM.
 3. Continuous descent approach should be used whenever practicable unless otherwise instructed by ATC. Procedure design is compatible with 3° descent path from 6000.
 4. Approximate distances to touchdown are indicated in brackets.

*D-ATIS
 113.750
 117.0
 128.080
 Apt Elev
 83



RWY	ROUTING
09L/R	At LAM, intercept LAM R265 to D34.0 LAM, turn LEFT, intercept GWC R358 inbound to D39.0 GWC, turn LEFT, establish on ILS IAA by D10.0 IAA (RWY 09L) or on ILS IBB by D10.0 IBB (RWY 09R).
27L/R	At LAM, intercept LAM R273 to D11.0 LAM, turn LEFT, intercept BNN R127 to D19.0 BNN, turn RIGHT, establish on ILS ILL by D10.0 ILL (RWY 27L) or on ILS IRR by D10.0 IRR (RWY 27R).

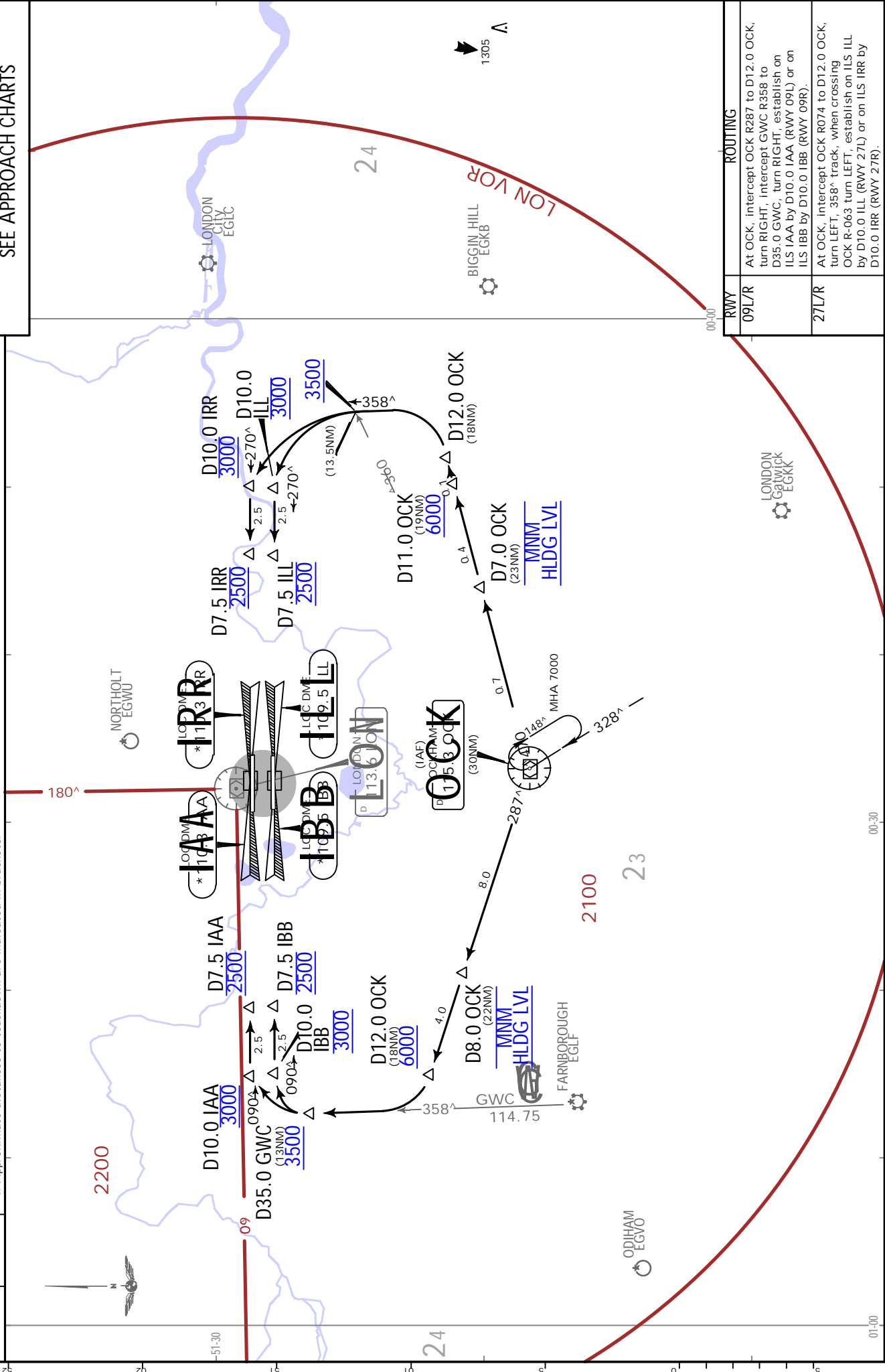
RWYS 09L/R, 27L/R
INITIAL APPROACH
 WITHOUT RADAR CONTROL
 FROM OCK TO ILS

FOR FINAL APPROACH
 SEE APPROACH CHARTS

- Alt Set: hPa Trans level: By ATC
1. Minimum holding level (Flight Level equivalent of 7000) is above TA and will be allocated by ATC.
 2. Initial approach procedures are designed for manoeuvring speeds up to 220 KT and assume acft can maintain a descent gradient of approximately 320 per NM.
 3. Continuous descent approach should be used whenever practicable unless otherwise instructed by ATC. Procedure design is compatible with 3° descent path from 6000.
 4. Approximate distances to touchdown are indicated in brackets.

*D-ATIS
 113.750
 117.0
 128.080

Apt Elev
 83



RWY	ROUTING
09L/R	At OCK, intercept OCK R287 to D12.0 OCK, turn RIGHT, intercept GWC R358 to D35.0 GWC, turn RIGHT, establish on ILS 113.3 R, turn RIGHT, establish on ILS 110.5 B by D10.0 IAA (RWY 09L) or on ILS 119.5 LL (RWY 09R).
27L/R	At OCK, intercept OCK R074 to D12.0 OCK, turn LEFT, 358° track, when crossing OCK R-063 turn LEFT, establish on ILS 113.3 R, turn LEFT, establish on ILS 110.5 B by D10.0 ILL (RWY 27L) or on ILS 119.5 LL (RWY 27R).

EGLL/LHR
HEATHROW

JEPPESSEN

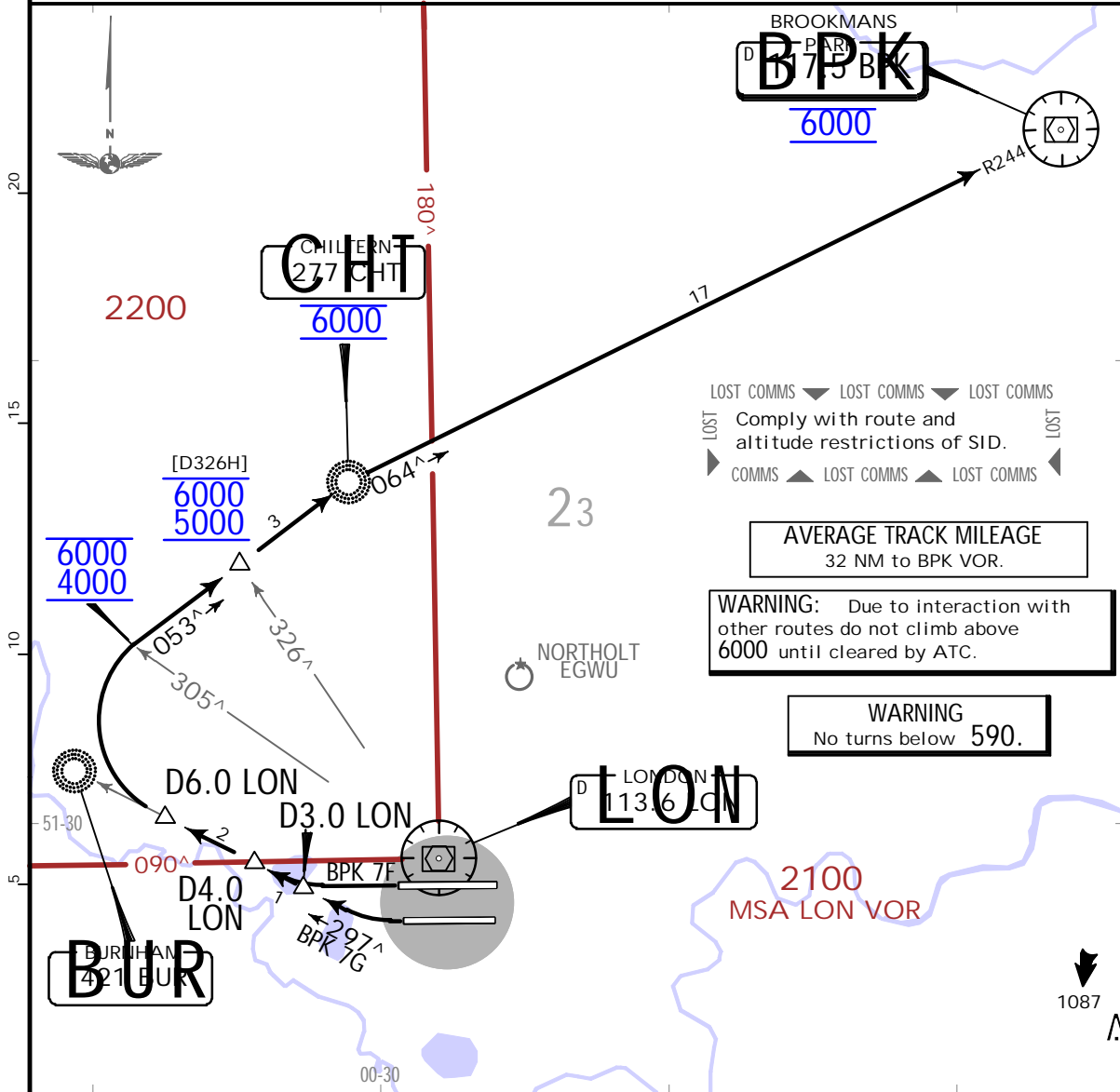
LONDON, UK
.SID.

1 OCT 21 (10-3).Eff.7.Oct.

LONDON Control 118.825	Apt Elev 83	Trans alt: 6000 1. When instructed contact LONDON Control after take-off, report C/S, SID designator, current altitude and initial cleared altitude. 2. SIDs include noise preferential routes (refer to 10-4). 3. Cruising levels will be issued after take-off by LONDON Control. 4. Do not climb above SID levels until instructed by ATC. 5. EXPECT close-in obstacles.
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**BPK 7F
BPK 7G
DEPARTURES**

.SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORISED



Cross appropriate Noise Monitoring Terminal (refer to chart 10-4) at or above 1090, thereafter maintain a minimum climb gradient of 4% up to 4000 for ATM purposes.

Gnd speed-KT	75	100	150	200	250	300
4% V/V (fpm)	304	405	608	810	1013	1215

If unable to comply with SID altitudes or climb gradient inform ATC prior to departure.

SID	RWY	ROUTING / ALTITUDE
BPK 7F	27R	Climb straight ahead, intercept 297° bearing towards BUR NDB by D4.0 LON, at D6.0 LON turn RIGHT, intercept 053° bearing towards CHT NDB, cross LON R305 at or above 4000 (MAX 6000), LON R326 at or above 5000 (MAX 6000), to CHT NDB at 6000, turn RIGHT, intercept BPK R244 inbound to BPK VOR.
BPK 7G	27L	Climb straight ahead, intercept 297° bearing towards BUR NDB by D3.0 LON, at D6.0 LON turn RIGHT, intercept 053° bearing towards CHT NDB, cross LON R305 at or above 4000 (MAX 6000), LON R326 at or above 5000 (MAX 6000), to CHT NDB at 6000 turn RIGHT, intercept BPK R244 inbound to BPK VOR.

EGLL/LHR
HEATHROW

JEPPESEN

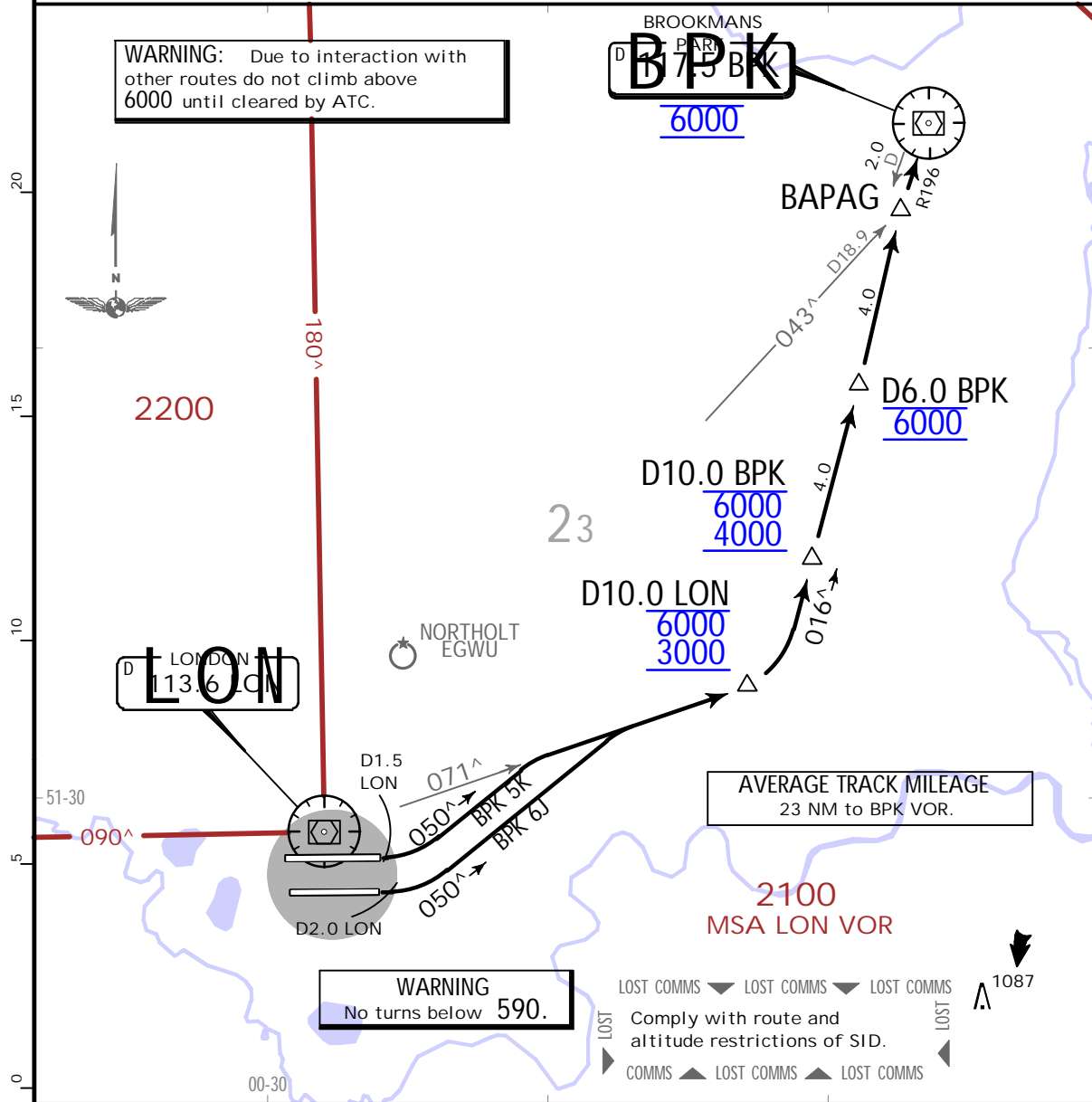
LONDON, UK
.SID.

1 OCT 21 (10-3A).Eff.7.Oct.

LONDON Control 118.825	Apt Elev 83	Trans alt: 6000 1. When instructed contact LONDON Control after take-off, report C/S, SID designator, current altitude and initial cleared altitude. 2. SIDs include noise preferential routes (refer to 10-4). 3. Cruising levels will be issued after take-off by LONDON Control. 4. Do not climb above SID levels until instructed by ATC. 5. EXPECT close-in obstacles.
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**BPK 6J
BPK 5K
DEPARTURES**

.SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORISED



Cross appropriate Noise Monitoring Terminal (refer to chart 10-4) at or above 1090, thereafter maintain a minimum climb gradient of 4% up to 4000 for ATM purposes.	Gnd speed-KT	75	100	150	200	250	300
	4% V/V (fpm)	304	405	608	810	1013	1215

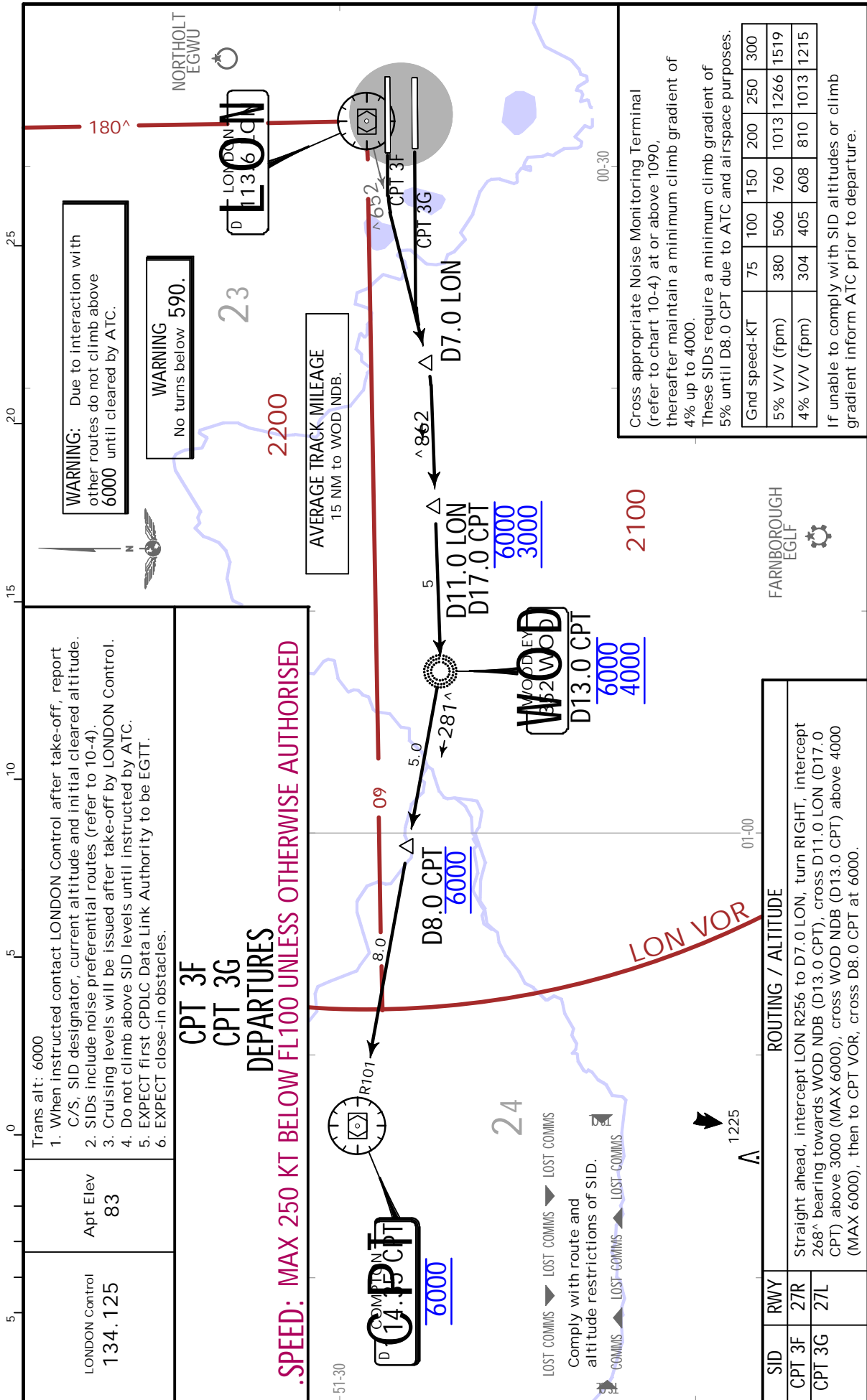
If unable to comply with SID altitudes or climb gradient inform ATC prior to departure.

SID	RWY	ROUTING / ALTITUDE
BPK 6J	09R	Climb straight ahead, at D2.0 LON turn LEFT, 050° track, intercept LON R071, cross D10.0 LON at or above 3000 (MAX 6000), turn LEFT, intercept BPK R196 inbound, cross D10.0 BPK at or above 4000 (MAX 6000), D6.0 BPK at 6000, via BAPAG to BPK VOR.
BPK 5K	09L	Climb straight ahead, at D1.5 LON turn LEFT, 050° track, intercept LON R071, cross D10.0 LON at or above 3000 (MAX 6000), turn LEFT, intercept BPK R196 inbound, cross D10.0 BPK at or above 4000 (MAX 6000), D6.0 BPK at 6000, via BAPAG to BPK VOR.

EGLL/LHR
HEATHROW

JEPPESEN
1 OCT 21 (10-3B). Eff. 7.Oct.

LONDON, UK
.SID.

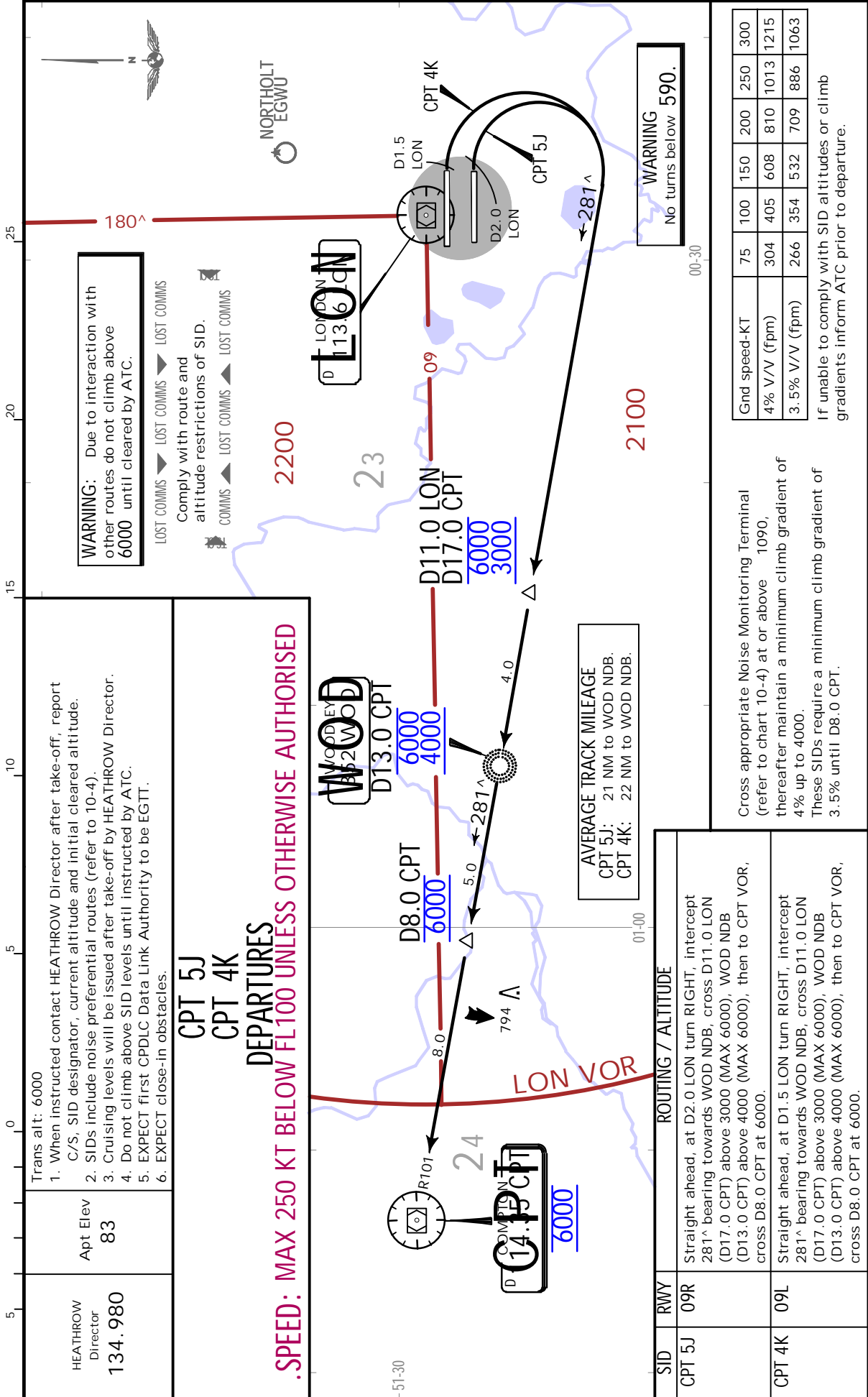


EGLL/LHR
HEATHROW

JEPPESSEN

LONDON, UK
.SID.

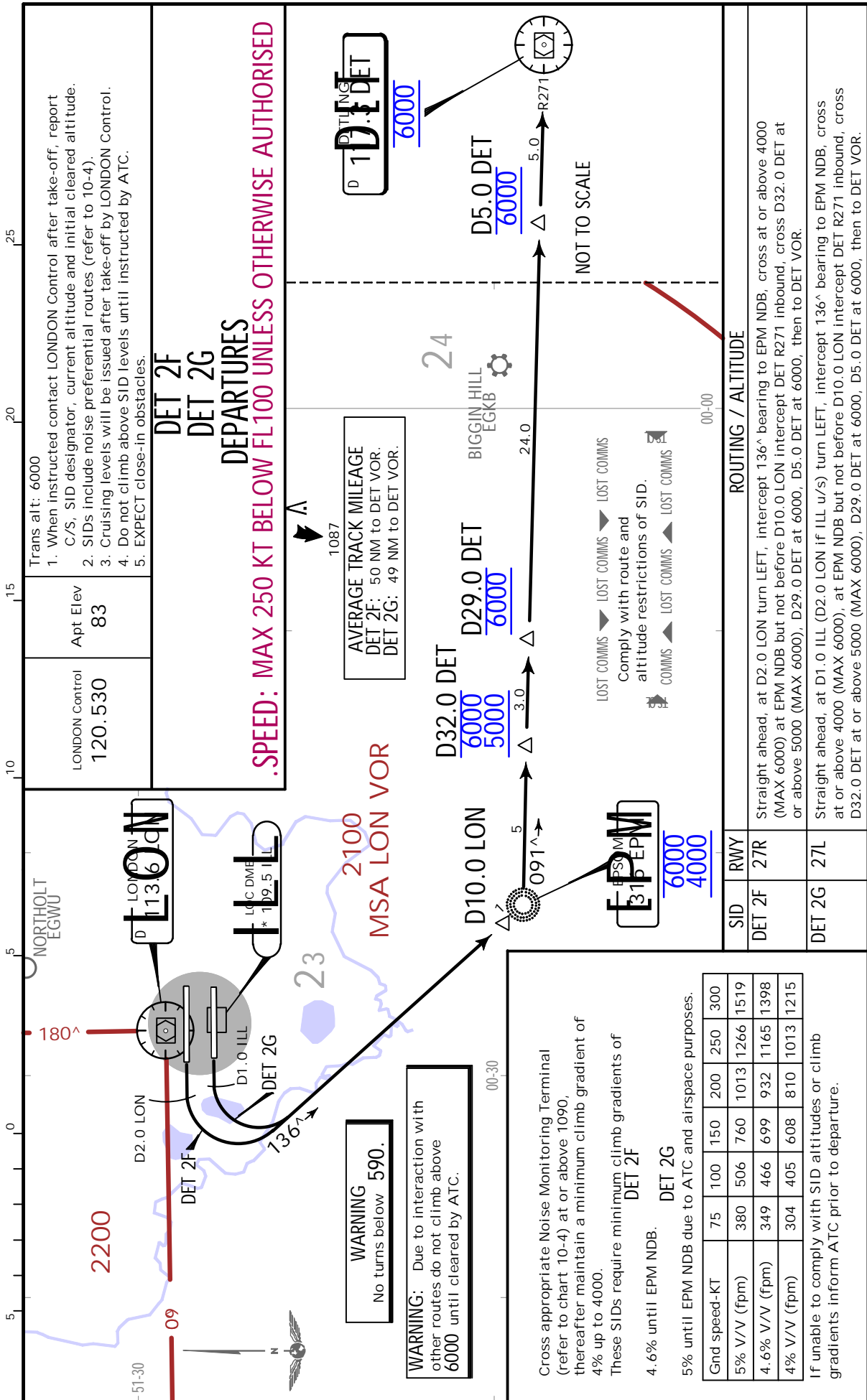
1 OCT 21 (10-3C).Eff.7.Oct.



EGLL/LHR
HEATHROW

JEPPesen
1 OCT 21 (10-3D). Eff. 7.Oct.

LONDON, UK
.SID.

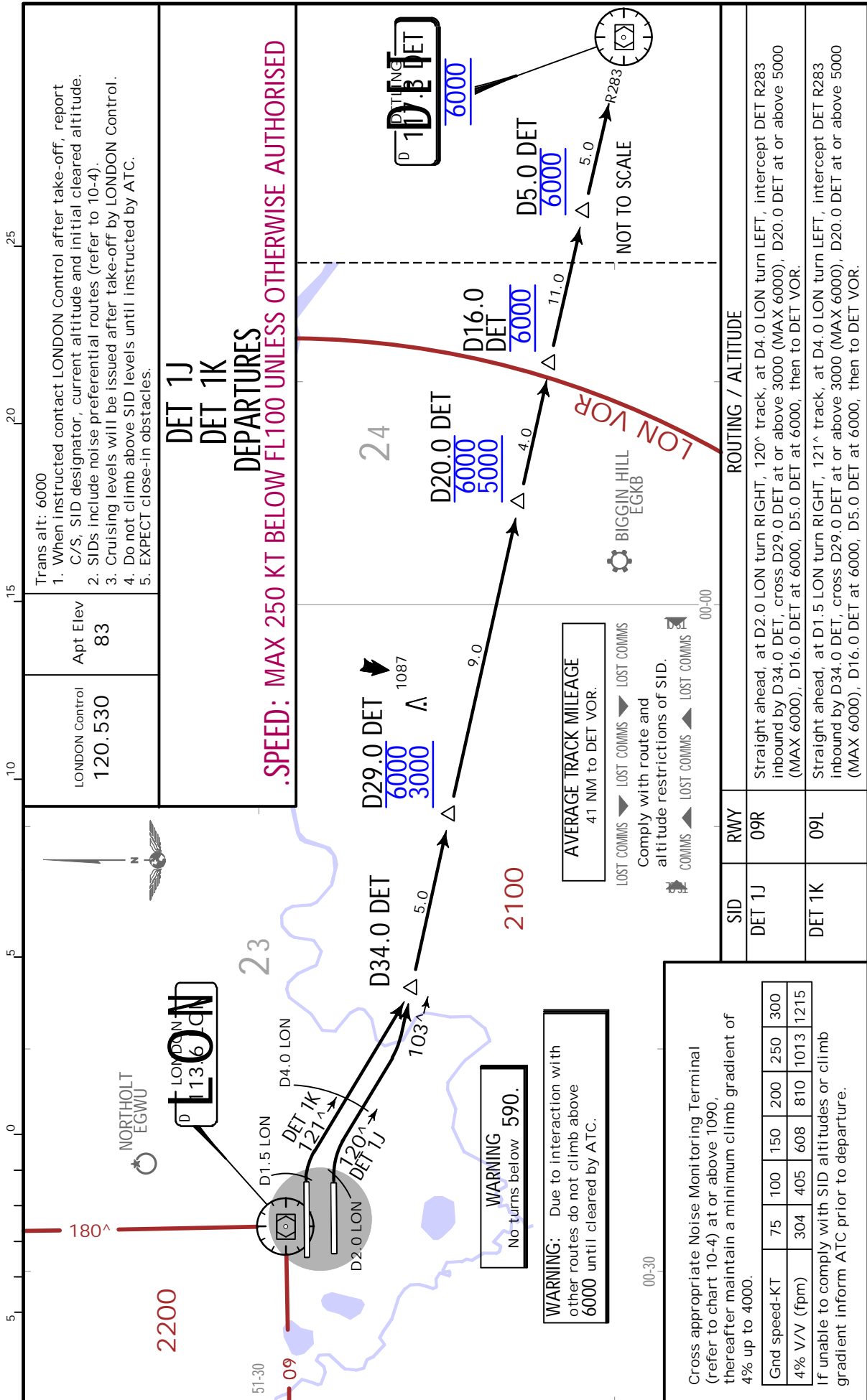


EGLL/LHR
HEATHROW

JEPPESEN

LONDON, UK
.SID.

1 OCT 21 (10-3E) .Eff.7.Oct.



EGLL/LHR
HEATHROW

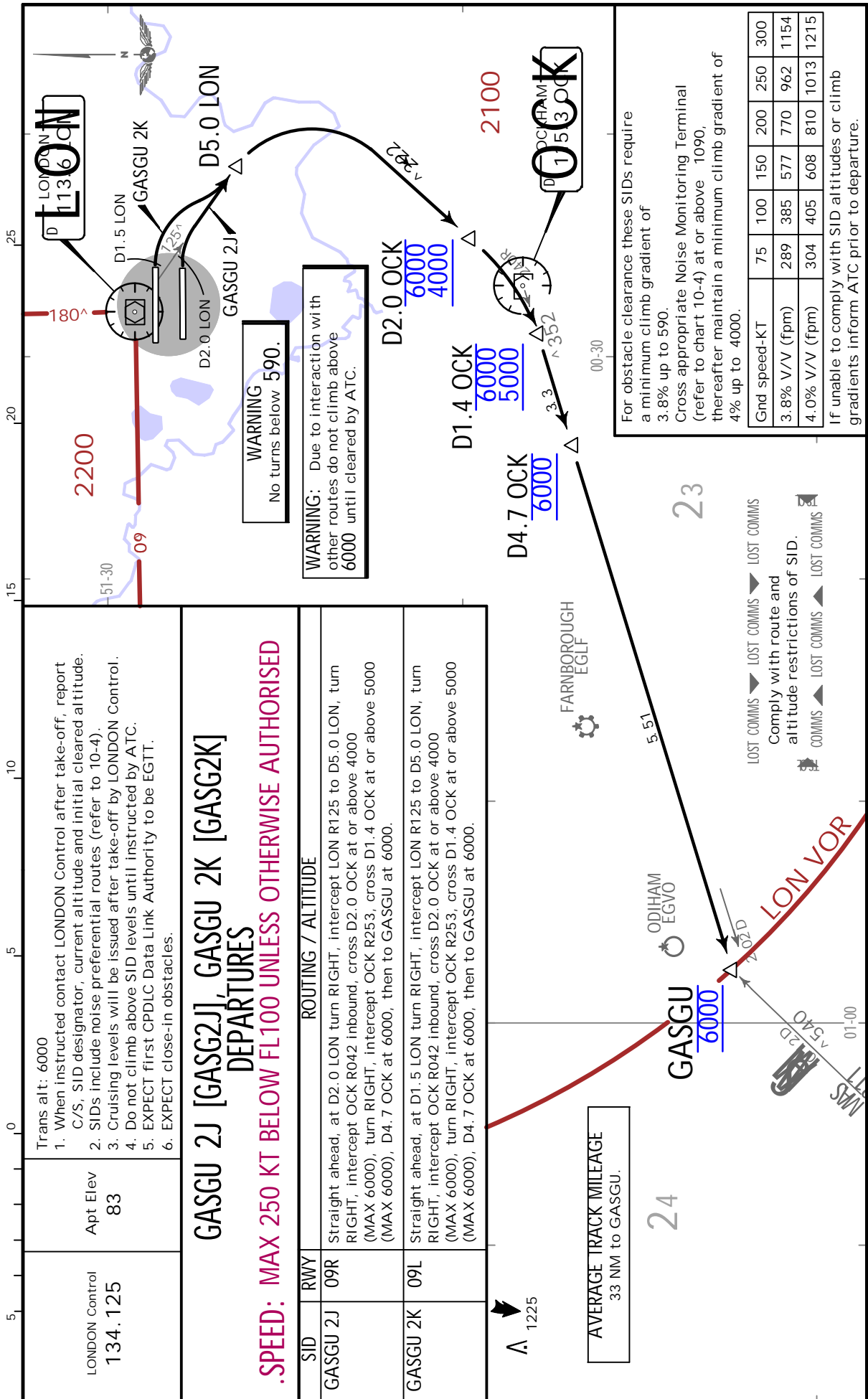
JEPPESSEN

LONDON, UK
.SID.

12 MAR 21

10-3F

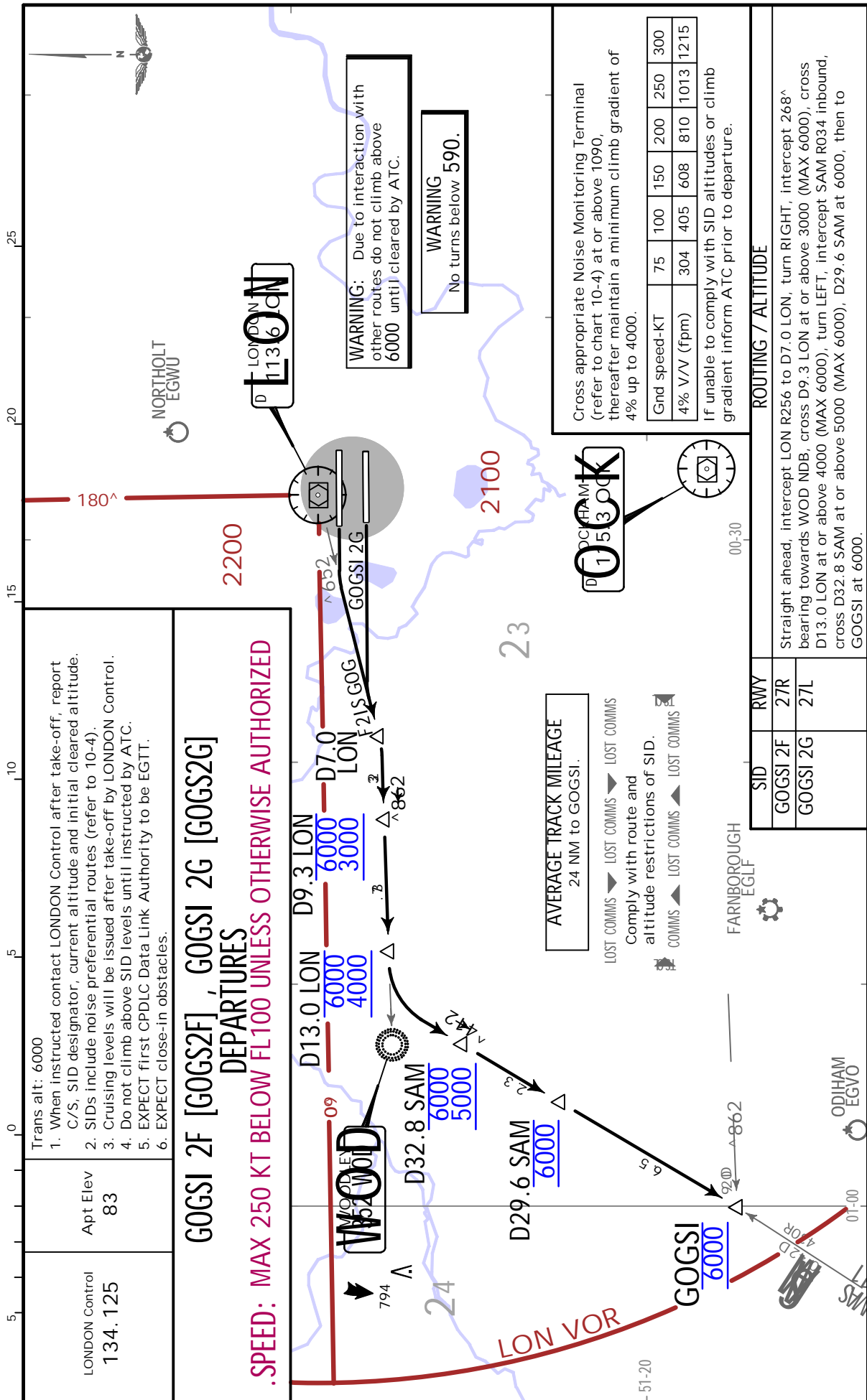
.Eff.25.Mar.



EGLL/LHR
HEATHROW

12 MAR 21 10-3G .Eff.25.Mar.

LONDON, UK
.SID.



EGLL/LHR
HEATHROW



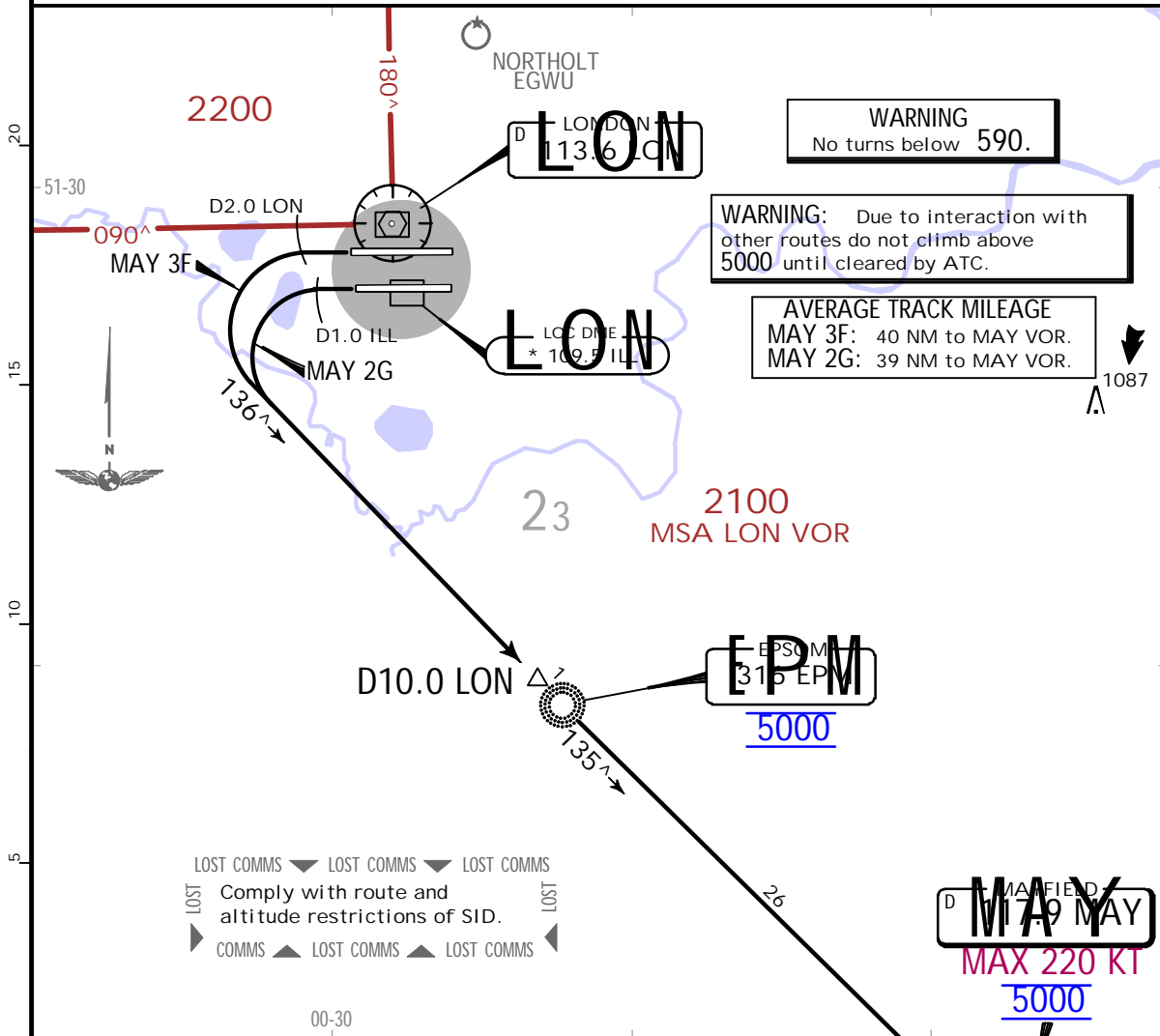
LONDON, UK
.SID.

1 OCT 21 (10-3H).Eff.7.Oct.

LONDON Control 126.825	Apt Elev 83	Trans alt: 6000 1. When instructed contact LONDON Control after take-off, report C/S, SID designator, current altitude and initial cleared altitude. 2. SIDs include noise preferential routes (refer to 10-4). 3. Aircraft VOR or DME failure advise ATC and comply with ATC instructions. 4. EXPECT close-in obstacles.
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MAY 3F
MAY 2G
DEPARTURES
TO EGKK ONLY

.SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORIZED



SID	RWY	ROUTING / ALTITUDE
MAY 3F	27R	Straight ahead, at D2.0 LON turn LEFT, intercept 136^ bearing to EPM NDB, cross at 5000, at EPM NDB but not before D10.0 LON intercept MAY R315 inbound to MAY VOR at 5000.
MAY 2G	27L	Straight ahead, at D1.0 ILL (D2.0 LON if ILL u/s) turn LEFT, intercept 136^ bearing to EPM NDB, cross at 5000, at EPM NDB but not before D10.0 LON intercept MAY R315 inbound to MAY VOR at 5000.

EGLL/LHR
HEATHROW

JEPPESSEN

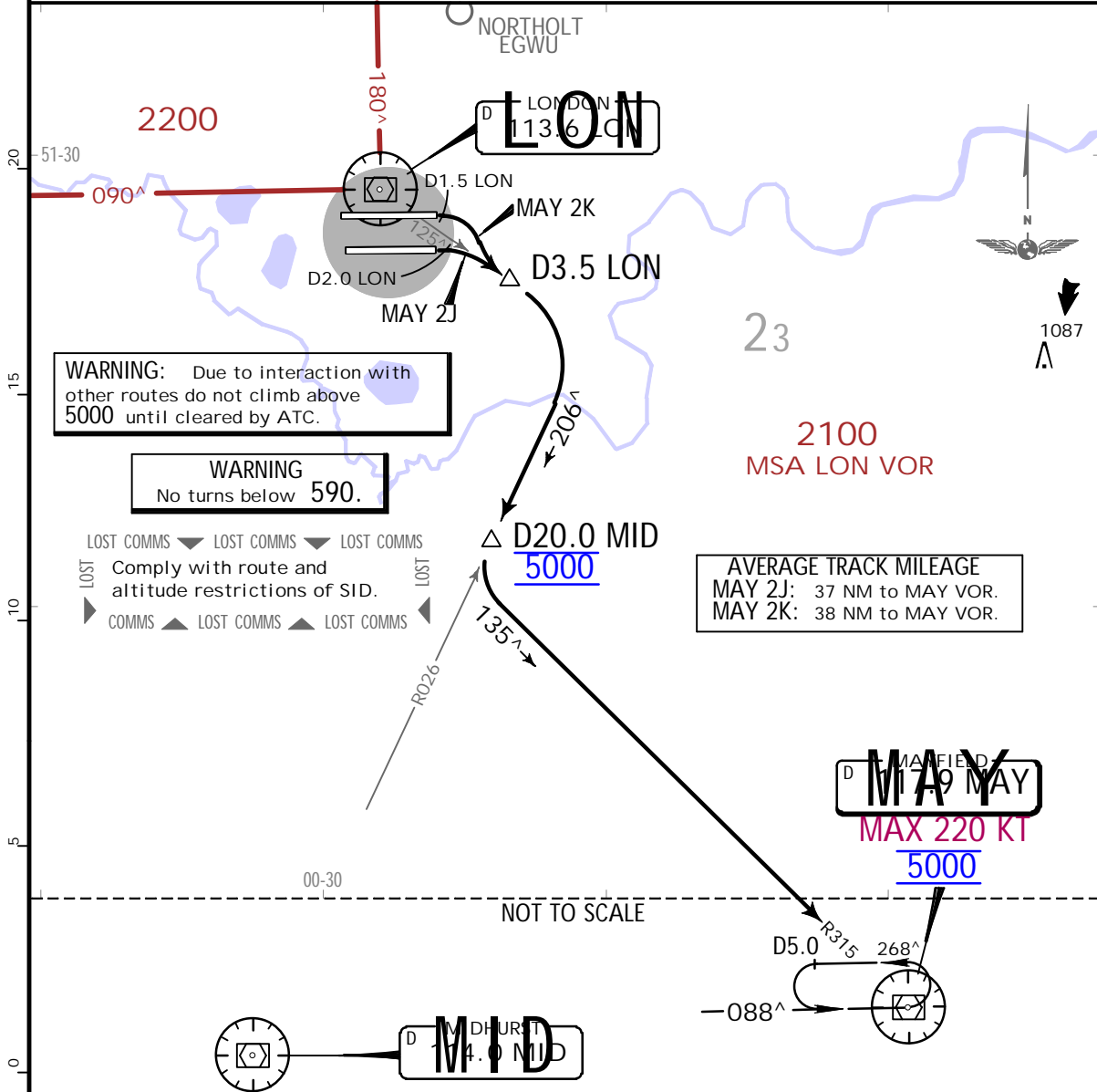
LONDON, UK
.SID.

1 OCT 21 (10-3J).Eff.7.Oct.

LONDON Control 126.825	Apt Elev 83	Trans alt: 6000 1. When instructed contact LONDON Control after take-off, report C/S, SID designator, current altitude and initial cleared altitude. 2. SIDs include noise preferential routes (refer to 10-4). 3. Aircraft VOR or DME failure advise ATC and comply with ATC instructions. 4. EXPECT close-in obstacles.
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MAY 2J
MAY 2K
DEPARTURES
TO EGKK ONLY

.SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORIZED



Cross appropriate Noise Monitoring Terminal (refer to chart 10-4) at or above 1090, thereafter maintain a minimum climb gradient of 4% up to 4000.	Gnd speed-KT	75	100	150	200	250	300
	4% V/V (fpm)	304	405	608	810	1013	1215

If unable to comply with SID altitudes or climb gradient inform ATC prior to departure.

SID	RWY	ROUTING / ALTITUDE
MAY 2J	09R	Straight ahead, at D2.0 LON turn RIGHT, intercept LON R125 to D3.5 LON, turn RIGHT, intercept MID R026 inbound to D20.0 MID, cross at 5000, turn LEFT, intercept MAY R315 inbound to MAY VOR at 5000.
MAY 2K	09L	Straight ahead, at D1.5 LON turn RIGHT, intercept LON R125 to D3.5 LON, turn RIGHT, intercept MID R026 inbound to D20.0 MID, cross at 5000, turn LEFT, intercept MAY R315 inbound to MAY VOR at 5000.

CHANGES: Gen note 4 added.

EGLL/LHR
HEATHROW

JEPPESEN

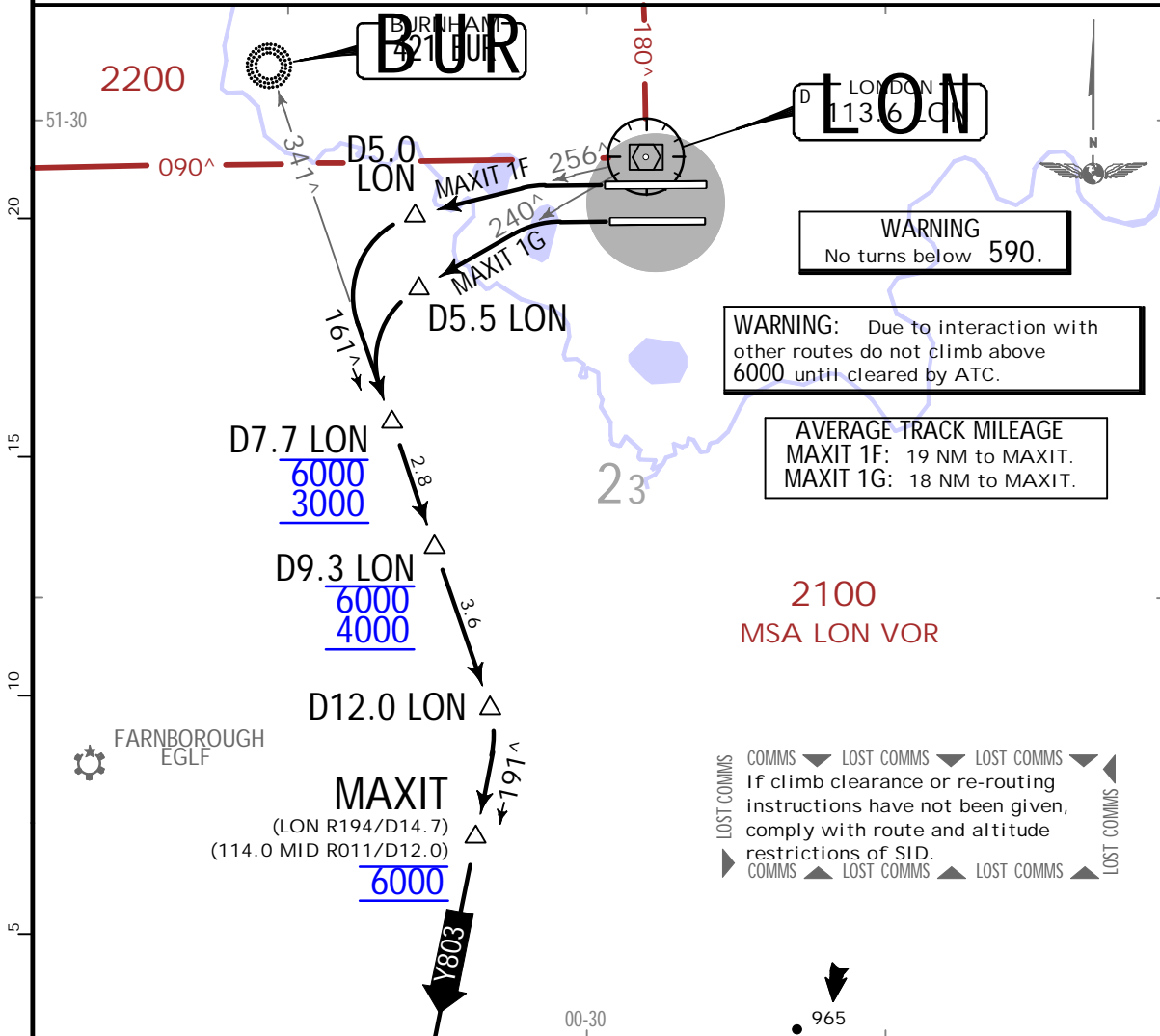
LONDON, UK
.SID.

12 MAR 21 (10-3K) .Eff.25.Mar.

LONDON Control 133.180	Apt Elev 83	Trans alt: 6000 1. When instructed contact LONDON Control after take-off, report C/S, SID designator, current altitude and initial cleared altitude. 2. SIDs include noise preferential routes (refer to 10-4). 3. Cruising levels will be issued after take-off by LONDON Control. 4. Do not climb above SID levels until instructed by ATC. 5. EXPECT close-in obstacles.
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MAXIT 1F [MAXI1F], MAXIT 1G [MAXI1G] DEPARTURES

.SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORIZED



WARNING
No turns below 590.

WARNING: Due to interaction with other routes do not climb above 6000 until cleared by ATC.

AVERAGE TRACK MILEAGE
MAXIT 1F: 19 NM to MAXIT.
MAXIT 1G: 18 NM to MAXIT.

COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼
If climb clearance or re-routing instructions have not been given, comply with route and altitude restrictions of SID.
▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲

Cross appropriate Noise Monitoring Terminal (refer to chart 10-4) at or above 1090, thereafter maintain a minimum climb gradient of 4% up to 4000.

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V (fpm)	304	405	608	810	1013	1215

If unable to comply with SID altitudes or climb gradient inform HEATHROW Delivery prior to pushback.

SID	RWY	ROUTING / ALTITUDE
MAXIT 1F	27R	Straight ahead, intercept LON R256 to D5.0 LON, turn LEFT, intercept 161 [^] bearing from BUR NDB, cross D7.7 LON at or above 3000 (MAX 6000), D9.3 LON at or above 4000 (MAX 6000), at D12.0 LON turn RIGHT, intercept MID R011 inbound to cross MAXIT at 6000.
MAXIT 1G	27L	Straight ahead, intercept LON R240 to D5.5 LON, turn LEFT, intercept 161 [^] bearing from BUR NDB, cross D7.7 LON at or above 3000 (MAX 6000), D9.3 LON at or above 4000 (MAX 6000), at D12.0 LON turn RIGHT, intercept MID R011 inbound to cross MAXIT at 6000.

EGLL/LHR
HEATHROW

JEPPESSEN

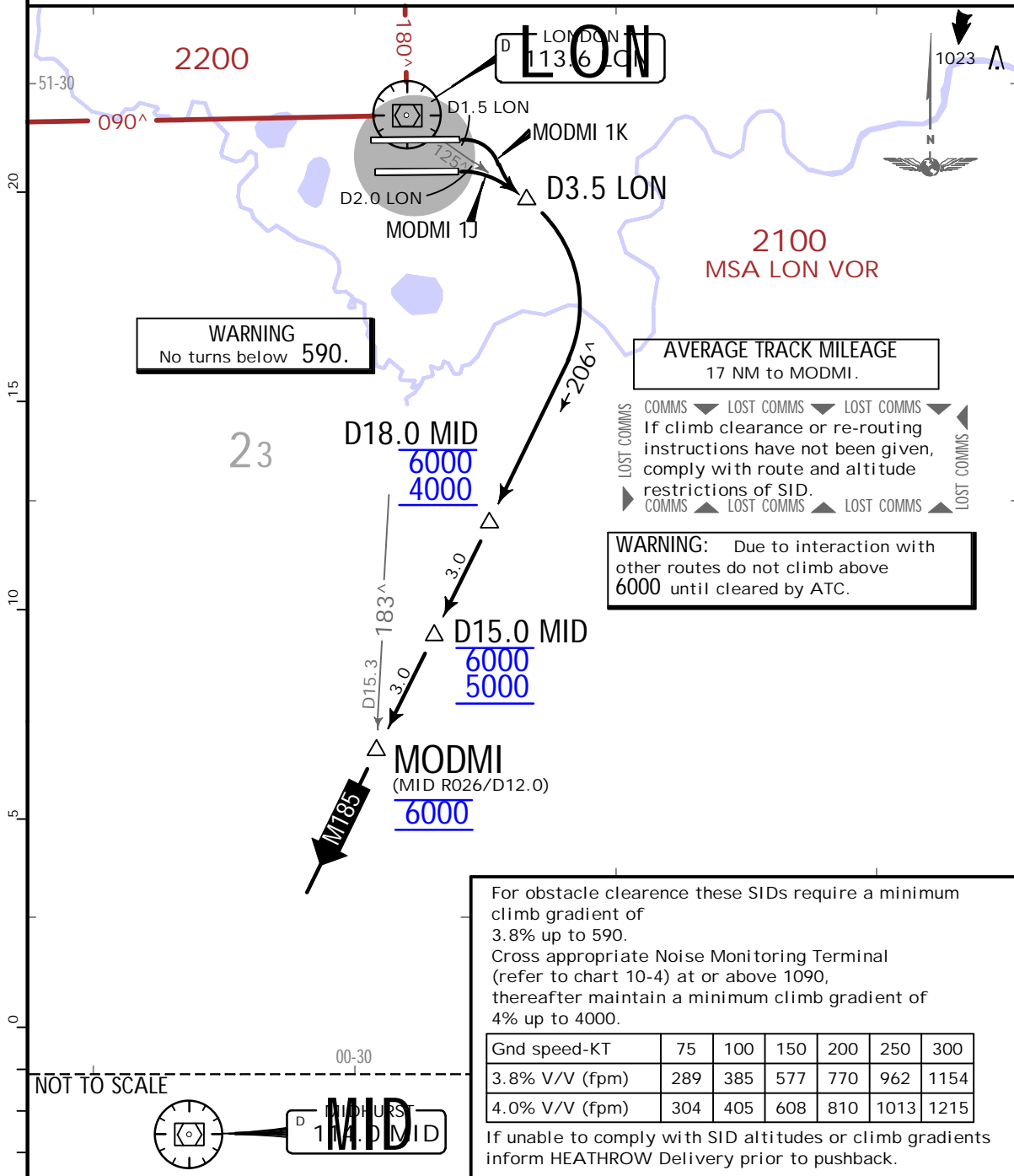
LONDON, UK
.SID.

12 MAR 21 (10-3L) .Eff.25.Mar.

LONDON Control 133.180	Apt Elev 83	Trans alt: 6000 1. When instructed contact LONDON Control after take-off, report C/S, SID designator, current altitude and initial cleared altitude. 2. SIDs include noise preferential routes (refer to 10-4). 3. Cruising levels will be issued after take-off by LONDON Control. 4. Do not climb above SID levels until instructed by ATC. 4. EXPECT close-in obstacles.
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MODMI 1J [MODM1J], MODMI 1K [MODM1K]
DEPARTURES

.SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORISED



SID	RWY	ROUTING / ALTITUDE
MODMI 1J	09R	Straight ahead, at D2.0 LON turn RIGHT, intercept LON R125 to D3.5 LON, turn RIGHT, intercept MID R026 inbound, cross D18.0 MID at or above 4000 (MAX 6000), D15.0 MID at or above 5000 (MAX 6000), then to MODMI at 6000.
MODMI 1K	09L	Straight ahead, at D1.5 LON turn RIGHT, intercept LON R125 to D3.5 LON, turn RIGHT, intercept MID R026 inbound, cross D18.0 MID at or above 4000 (MAX 6000), D15.0 MID at or above 5000 (MAX 6000), then to MODMI at 6000.

EGLL/LHR
HEATHROW

JEPPESSEN

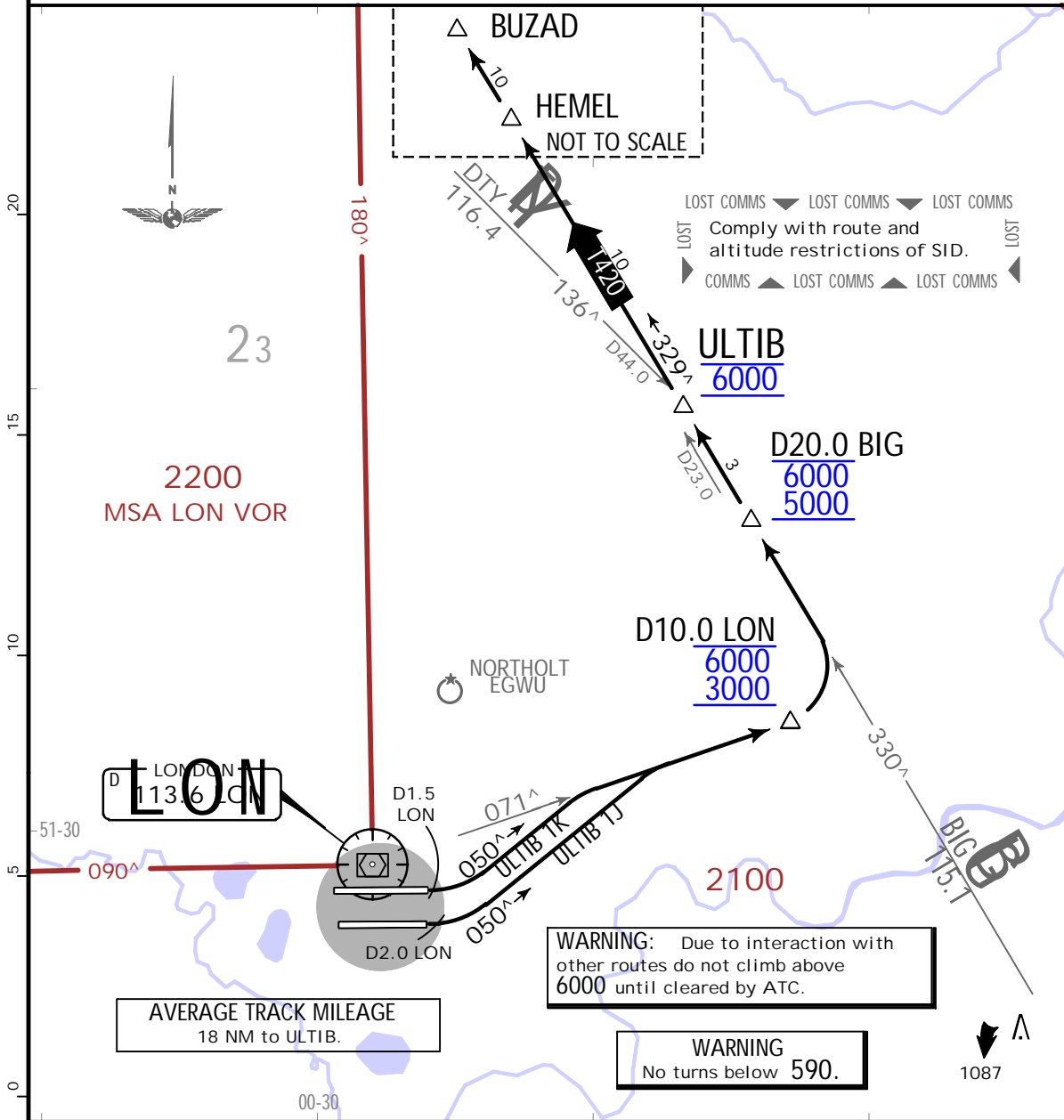
LONDON, UK
.SID.

1 OCT 21 (10-3M).Eff.7.Oct.

LONDON Control 119.780	Apt Elev 83	Trans alt: 6000 1. When instructed contact LONDON Control after take-off, report C/S, SID designator, current altitude and initial cleared altitude. 2. SIDs include noise preferential routes (refer to 10-4). 3. Cruising levels will be issued after take-off by LONDON Control. 4. Do not climb above SID levels until instructed by ATC. 5. EXPECT first CPDLC Data Link Authority to be EGTT. 6. EXPECT close-in obstacles.
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**ULTIB 1J [ULT11J], ULTIB 1K [ULT11K]
DEPARTURES**

.SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORISED



WARNING: Due to interaction with other routes do not climb above 6000 until cleared by ATC.

WARNING
No turns below 590.

Cross appropriate Noise Monitoring Terminal (refer to chart 10-4) at or above 1090, thereafter maintain a minimum climb gradient of 4% up to 4000 for ATM purposes.	Gnd speed-KT	75	100	150	200	250	300
	4% V/V (fpm)	304	405	608	810	1013	1215

If unable to comply with SID altitudes or climb gradient inform ATC prior to departure.

SID	RWY	ROUTING / ALTITUDE
ULTIB 1J	09R	Climb straight ahead, at D2.0 LON turn LEFT, 050° track, intercept LON R071, cross D10.0 LON at or above 3000 (MAX 6000), turn LEFT, intercept BIG R330, cross D20.0 BIG at or above 5000 (MAX 6000), to ULTIB at 6000.
ULTIB 1K	09L	Climb straight ahead, at D1.5 LON turn LEFT, 050° track, intercept LON R071, cross D10.0 LON at or above 3000 (MAX 6000), turn LEFT, intercept BIG R330, cross D20.0 BIG at or above 5000 (MAX 6000), to ULTIB at 6000.

EGLL/LHR
HEATHROW

JEPPESEN

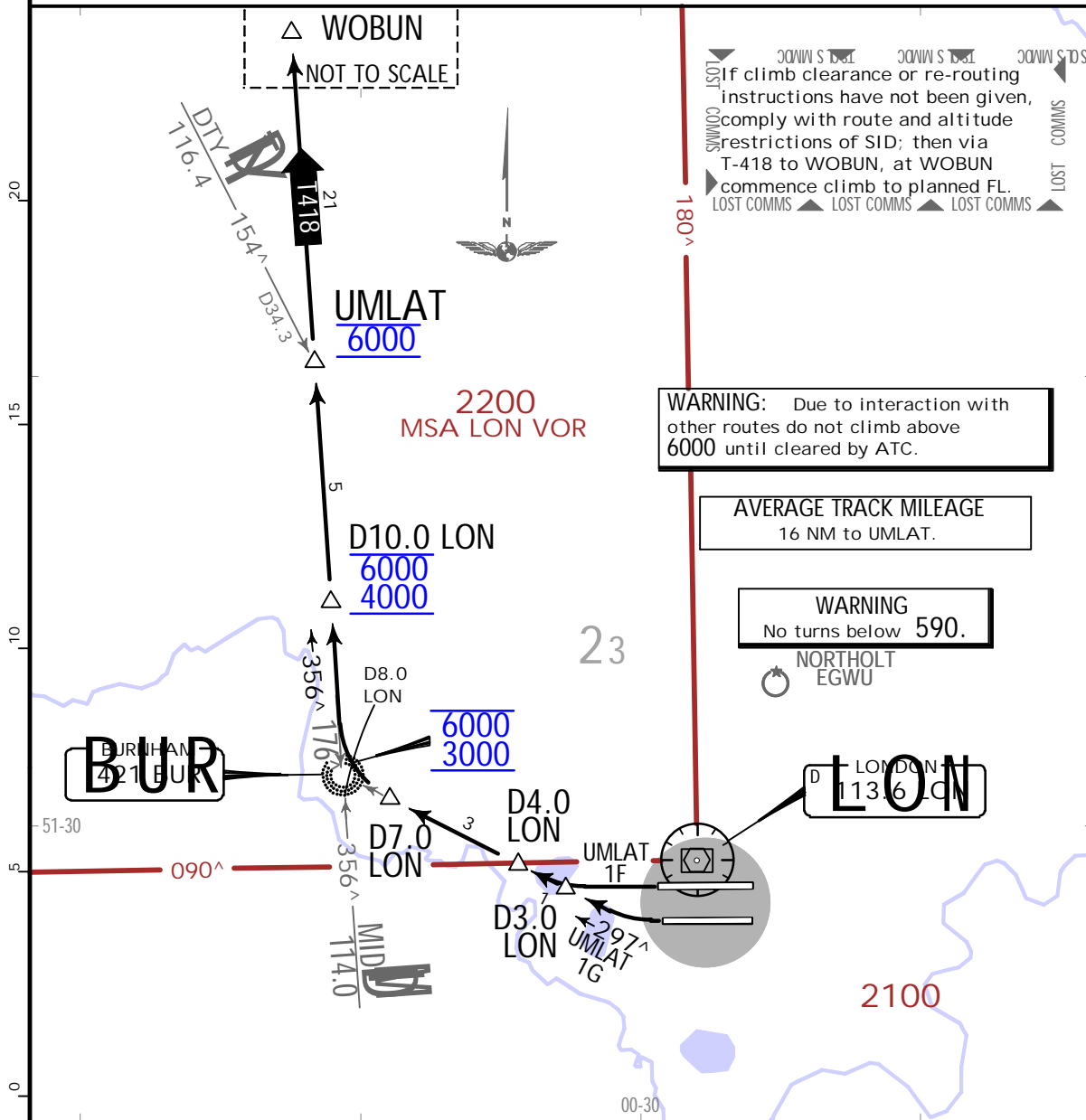
LONDON, UK
.SID.

1 OCT 21 (10-3N).Eff.7.Oct.

LONDON Control 119.780	Apt Elev 83	Trans alt: 6000 1. When instructed contact LONDON Control after take-off, report C/S, SID designator, current altitude and initial cleared altitude. 2. SIDs include noise preferential routes (refer to 10-4). 3. Cruising levels will be issued after take-off by LONDON Control. 4. Do not climb above SID levels until instructed by ATC. 5. EXPECT first CPDLC Data Link Authority to be EGTT. 6. EXPECT close-in obstacles.
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UMLAT 1F [UMLA1F], UMLAT 1G [UMLA1G]
DEPARTURES

.SPEED: MAX 250 KT BELOW FL100 UNLESS OTHERWISE AUTHORISED



WARNING: Due to interaction with other routes do not climb above 6000 until cleared by ATC.

AVERAGE TRACK MILEAGE
16 NM to UMLAT.

WARNING
No turns below 590.

NORTHOLT
EGWU

Cross appropriate Noise Monitoring Terminal (refer to chart 10-4) at or above 1090, thereafter maintain a minimum climb gradient of 4% up to 4000 for ATM purposes.

Gnd speed-KT	75	100	150	200	250	300
4% V/V (fpm)	304	405	608	810	1013	1215

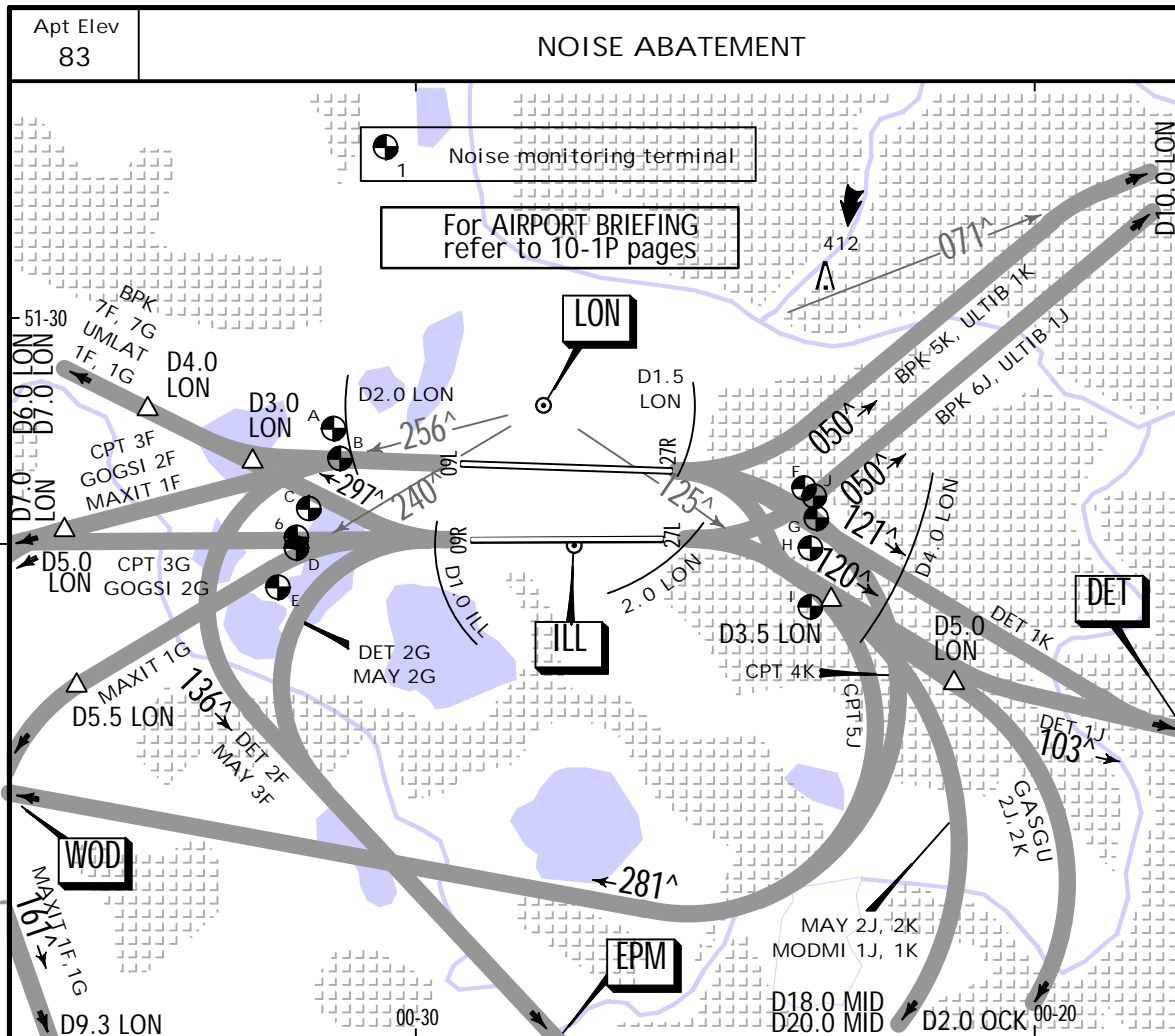
If unable to comply with SID altitudes or climb gradient inform ATC prior to departure.

SID	RWY	ROUTING / ALTITUDE
UMLAT 1F	27R	Climb straight ahead, intercept 297° bearing towards BUR NDB by D4.0 LON to D7.0 LON, turn RIGHT, intercept 356° bearing from BUR NDB (MID R356), cross D8.0 LON at or above 3000 (MAX 6000), D10.0 LON at or above 4000 (MAX 6000), to UMLAT at 6000.
UMLAT 1G	27L	Climb straight ahead, intercept 297° bearing towards BUR NDB by D3.0 LON to D7.0 LON, turn RIGHT, intercept 356° bearing from BUR NDB (MID R356), cross D8.0 LON at or above 3000 (MAX 6000), D10.0 LON at or above 4000 (MAX 6000), to UMLAT at 6000.

EGLL/LHR
HEATHROW

JEPPESSEN
12 MAR 21 (10-4) .Eff.25.Mar.

LONDON, UK
.NOISE.



The operational limits as specified on Airport Briefing Pages shall be adjusted in respect of any noise monitoring terminal to take account of the location and its ground elevation relative to the aerodrome elevation as follows:

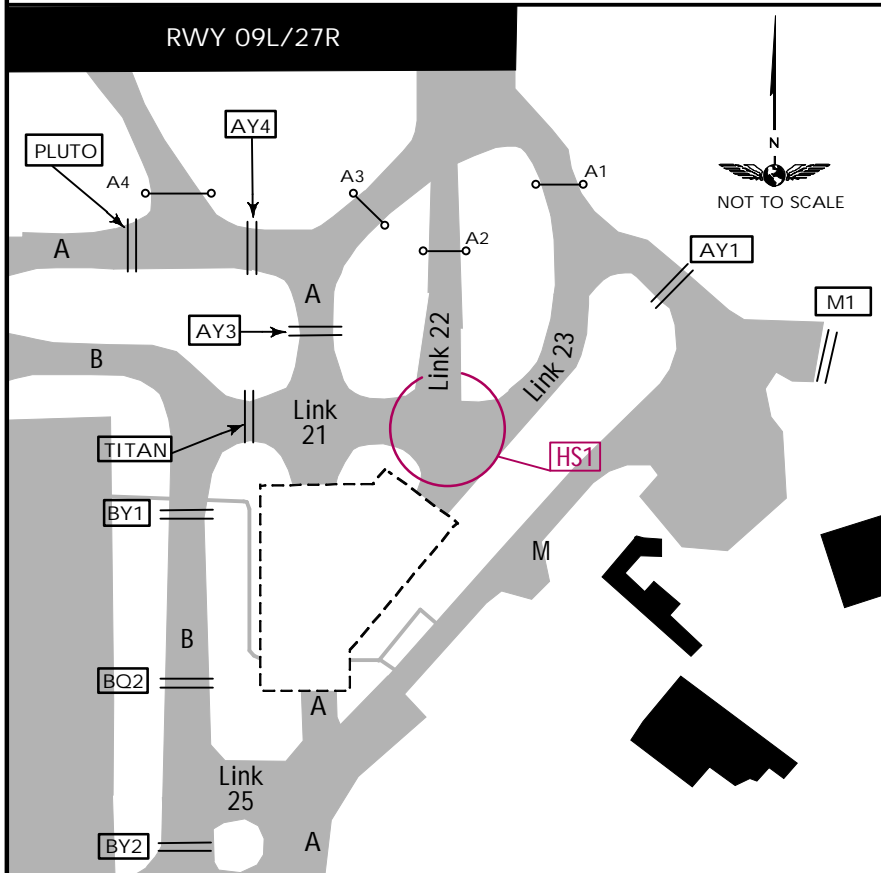
NOISE MONITORING TERMINAL/LOCATION/NAME	ELEVATION ABOVE AERODROME	ADJUSTMENT db(A)
6 N51 27.9 W000 32.0 Thames Water, Wraysbury	- 6m	- 0.3
A N51 29.0 W000 31.4 Colnbrook	- 4m	+ 2.3
B N51 28.7 W000 31.3 Poyle	- 4m	+ 4.8
C N51 28.2 W000 31.8 Horton	- 6m	- 0.3
D N51 27.8 W000 32.0 Coppermill	- 7m	- 0.6
E N51 27.4 W000 32.3 Wraysbury Reservoir (South)	- 7m	- 1.0
F N51 28.4 W000 23.8 Hounslow West	- 3m	+ 0.9
G N51 28.1 W000 23.6 Hounslow Cavalry Barracks	- 3m	- 0.1
H N51 27.8 W000 23.7 Hounslow Heath	- 3m	+ 1.2
I N51 27.2 W000 23.7 East Feltham	- 4m	- 0.3
J N51 28.2 W000 23.6 Hounslow Cavalry Barracks North	- 3m	- 0.2

If the aircraft was required to take-off with a tailwind an amount of the noise recorded at the noise monitor should be disregarded.


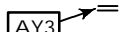
Tailwind component	≤ 1 KT	≤ 2 KT	≤ 3 KT	≤ 4 KT	> 4 KT
Amount to be disregarded	0.4 dB	0.8 dB	1.2 dB	1.6 dB	2.0 dB

TWY CLOSURE REFER ALSO TO LATEST NOTAMS

TWY A between Link 21 and Link 25, and Link 23 between TWY A and Link 21 closed due to work in progress from 9 February 2023 until the 31 July 2023.



LEGEND

-  HOT SPOT
see AIRPORT INFO,
TAKE-OFF MNMS for
description
- A** Taxiway
-  Ground reporting point

EGLL/LHR

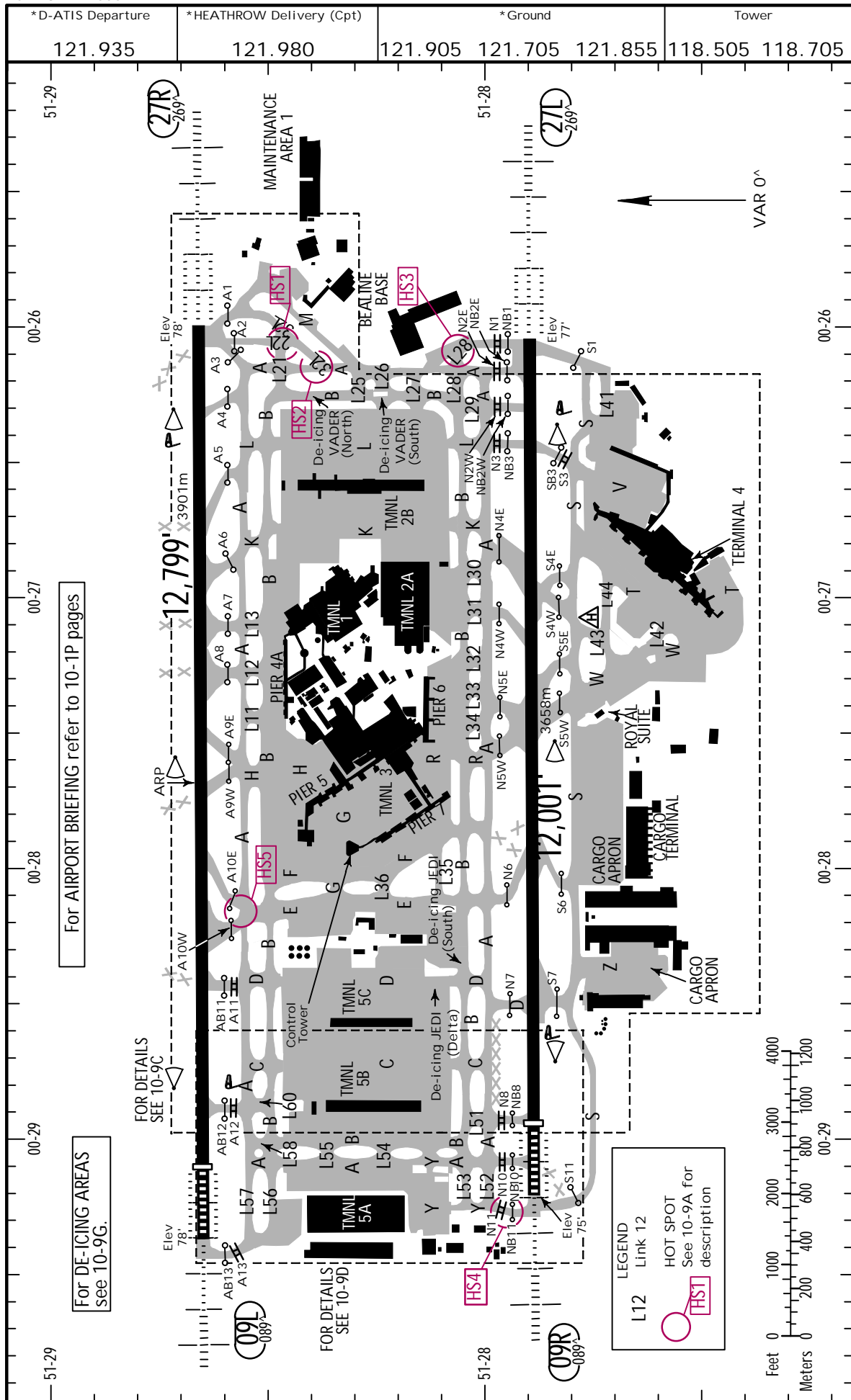
Apt Elev 83
N51 28.7 W000 27.7

JEPPESEN

30 SEP 22 (10-9).Eff.6.Oct.

LONDON, UK

HEATHROW



For AIRPORT BRIEFING refer to 10-1P pages

For DE-ICING AREAS see 10-9G.

FOR DETAILS SEE 10-9C

FOR DETAILS SEE 10-9D

LEGEND

- Link 12
- HOT SPOT See 10-9A for description

EGLL/LHR



LONDON, UK

30 SEP 22 (10-9A) .Eff.6.Oct.

HEATHROW

ADDITIONAL RUNWAY INFORMATION																																										
RWY		RVR	USABLE LENGTHS		TAKE-OFF	WIDTH																																				
			LANDING	BEYOND																																						
			Threshold	Glide Slope																																						
09L 1 27R	HIRL(60m) CL(15m) HIALS-II TDZ PAPI-L(3.0^)		11,785' 3592m 12,736' 3882m	10,813' 3296m 11,642' 3548m	2	164' 50m																																				
<p>1 RWY grooved.</p> <p>2 TAKE-OFF RUN AVAILABLE</p> <p><u>RWY 09L:</u></p> <table style="width:100%; border: none;"> <tr> <td style="width: 50%;">From rwy head 12,799' (3901m)</td> <td style="width: 50%;">From rwy head 12,736' (3882m)</td> </tr> <tr> <td>twy A12 int 11,030' (3362m)</td> <td>twy A4 int 11,611' (3539m)</td> </tr> <tr> <td>twy A11 int 9311' (2838m)</td> <td>twy A5 int 10,289' (3136m)</td> </tr> <tr> <td>twy A10W int 8730' (2661m)</td> <td>twy A6 int 9390' (2862m)</td> </tr> <tr> <td>twy A10E int 7723' (2354m)</td> <td>twy A7 int 8586' (2617m)</td> </tr> <tr> <td>twy A9W int 6535' (1992m)</td> <td>twy A8 int 7920' (2414m)</td> </tr> <tr> <td>twy A9E int 5869' (1789m)</td> <td>twy A9E int 7028' (2142m)</td> </tr> <tr> <td></td> <td>twy A9W int 6388' (1947m)</td> </tr> </table>							From rwy head 12,799' (3901m)	From rwy head 12,736' (3882m)	twy A12 int 11,030' (3362m)	twy A4 int 11,611' (3539m)	twy A11 int 9311' (2838m)	twy A5 int 10,289' (3136m)	twy A10W int 8730' (2661m)	twy A6 int 9390' (2862m)	twy A10E int 7723' (2354m)	twy A7 int 8586' (2617m)	twy A9W int 6535' (1992m)	twy A8 int 7920' (2414m)	twy A9E int 5869' (1789m)	twy A9E int 7028' (2142m)		twy A9W int 6388' (1947m)																				
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	twy A9W int 6388' (1947m)																																									
09R 3 27L	HIRL(60m) CL(15m) HIALS-II TDZ PAPI-L(3.0^)		10,991' 3350m 12,001' 3658m	9958' 3035m 10,907' 3324m	5	164' 50m																																				
<p>3 RWY grooved.</p> <p>4 HST - N6</p> <p>5 TAKE-OFF RUN AVAILABLE</p> <p><u>RWY 09R:</u></p> <table style="width:100%; border: none;"> <tr> <td style="width: 50%;">From rwy head 12,001' (3658m)</td> <td style="width: 50%;">From rwy head 12,001' (3658m)</td> </tr> <tr> <td>twy N10 int 11,575' (3528m)</td> <td>twy N2E int 11,601' (3536m)</td> </tr> <tr> <td>twy N8 int 10,994' (3351m)</td> <td>twy N2W int 11,089' (3380m)</td> </tr> <tr> <td>twy S7 int 9360' (2853m)</td> <td>twy N3 int 10,577' (3224m)</td> </tr> <tr> <td>twy N7 int 9357' (2852m)</td> <td>twy S3 int 10,538' (3212m)</td> </tr> <tr> <td>twy N6 int 7628' (2325m)</td> <td>twy N4E int 8865' (2702m)</td> </tr> <tr> <td>twy S6 int 7362' (2244m)</td> <td>twy S4W int 8550' (2606m)</td> </tr> <tr> <td>twy N5W int 5591' (1704m)</td> <td>twy S4E int 8494' (2589m)</td> </tr> <tr> <td></td> <td>twy N4W int 8009' (2441m)</td> </tr> <tr> <td></td> <td>twy S5E int 7290' (2222m)</td> </tr> <tr> <td></td> <td>twy N5E int 6860' (2091m)</td> </tr> <tr> <td></td> <td>twy S5W int 6827' (2081m)</td> </tr> </table>							From rwy head 12,001' (3658m)	From rwy head 12,001' (3658m)	twy N10 int 11,575' (3528m)	twy N2E int 11,601' (3536m)	twy N8 int 10,994' (3351m)	twy N2W int 11,089' (3380m)	twy S7 int 9360' (2853m)	twy N3 int 10,577' (3224m)	twy N7 int 9357' (2852m)	twy S3 int 10,538' (3212m)	twy N6 int 7628' (2325m)	twy N4E int 8865' (2702m)	twy S6 int 7362' (2244m)	twy S4W int 8550' (2606m)	twy N5W int 5591' (1704m)	twy S4E int 8494' (2589m)		twy N4W int 8009' (2441m)		twy S5E int 7290' (2222m)		twy N5E int 6860' (2091m)		twy S5W int 6827' (2081m)												
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<h3>HOT SPOTS</h3> <p>(For information only, not to be construed as ATC instructions.)</p> <p>HS1 Pilots are to maintain a good lookout at all times and are responsible for wing tip clearance.</p> <p>HS2</p> <p>HS3 Pilots of Code F ACFT must take care - Link 28 East of TWY A is not Code F compliant.</p> <p>HS4 Pilots are to ensure they have clearance to enter the runway before crossing the holding point.</p> <p>HS5 Mis-route hotspot. After vacating runway, pilots to be aware of potential to mis-route.</p>																																										
<h3>SEQUENCING OF AIRCRAFT GROUND MOVEMENTS FOR TAKE-OFF IN LOW VISIBILITY</h3> <p>When the reported RVR is below 400m do not request start-up until the reported RVR is equal to or greater than the appropriate value as shown below:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">AIRCRAFT TAKE-OFF MINIMA</th> <th style="width: 50%;">MINIMUM RVR FOR START-UP</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">350m RVR</td><td style="text-align: center;">300m</td></tr> <tr><td style="text-align: center;">300m RVR</td><td style="text-align: center;">250m</td></tr> <tr><td style="text-align: center;">250m RVR</td><td style="text-align: center;">200m</td></tr> <tr><td style="text-align: center;">200m RVR</td><td style="text-align: center;">150m</td></tr> <tr><td style="text-align: center;">150m RVR</td><td style="text-align: center;">150m</td></tr> <tr><td style="text-align: center;">100m RVR</td><td style="text-align: center;">100m</td></tr> <tr><td style="text-align: center;">75m RVR</td><td style="text-align: center;">75m</td></tr> </tbody> </table>							AIRCRAFT TAKE-OFF MINIMA	MINIMUM RVR FOR START-UP	350m RVR	300m	300m RVR	250m	250m RVR	200m	200m RVR	150m	150m RVR	150m	100m RVR	100m	75m RVR	75m																				
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<p>.Standard. TAKE-OFF</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6" style="text-align: center;">Low Visibility Take-off</th> </tr> <tr> <th style="width: 16.6%;">1 HIRL, CL & relevant RVR</th> <th style="width: 16.6%;">RL, CL & relevant RVR</th> <th style="width: 16.6%;">RL & CL</th> <th style="width: 16.6%;">Day: RL & RCLM Night: RL or CL</th> <th style="width: 16.6%;">Day: RL or RCLM Night: RL or CL</th> <th style="width: 16.6%;">Adequate vis ref (Day only)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A TDZ, MID, RO</td> <td style="text-align: center;">TDZ, MID, RO</td> <td style="text-align: center;">RVR 200m</td> <td style="text-align: center;">RVR 300m</td> <td style="text-align: center;">400m</td> <td style="text-align: center;">500m</td> </tr> <tr> <td style="text-align: center;">B RVR 125m</td> <td style="text-align: center;">RVR 150m</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">C</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">D</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>1 RVR 75m with approved guidance system or HUD/HUDLS.</p>							Low Visibility Take-off						1 HIRL, CL & relevant RVR	RL, CL & relevant RVR	RL & CL	Day: RL & RCLM Night: RL or CL	Day: RL or RCLM Night: RL or CL	Adequate vis ref (Day only)	A TDZ, MID, RO	TDZ, MID, RO	RVR 200m	RVR 300m	400m	500m	B RVR 125m	RVR 150m					C						D					
Low Visibility Take-off																																										
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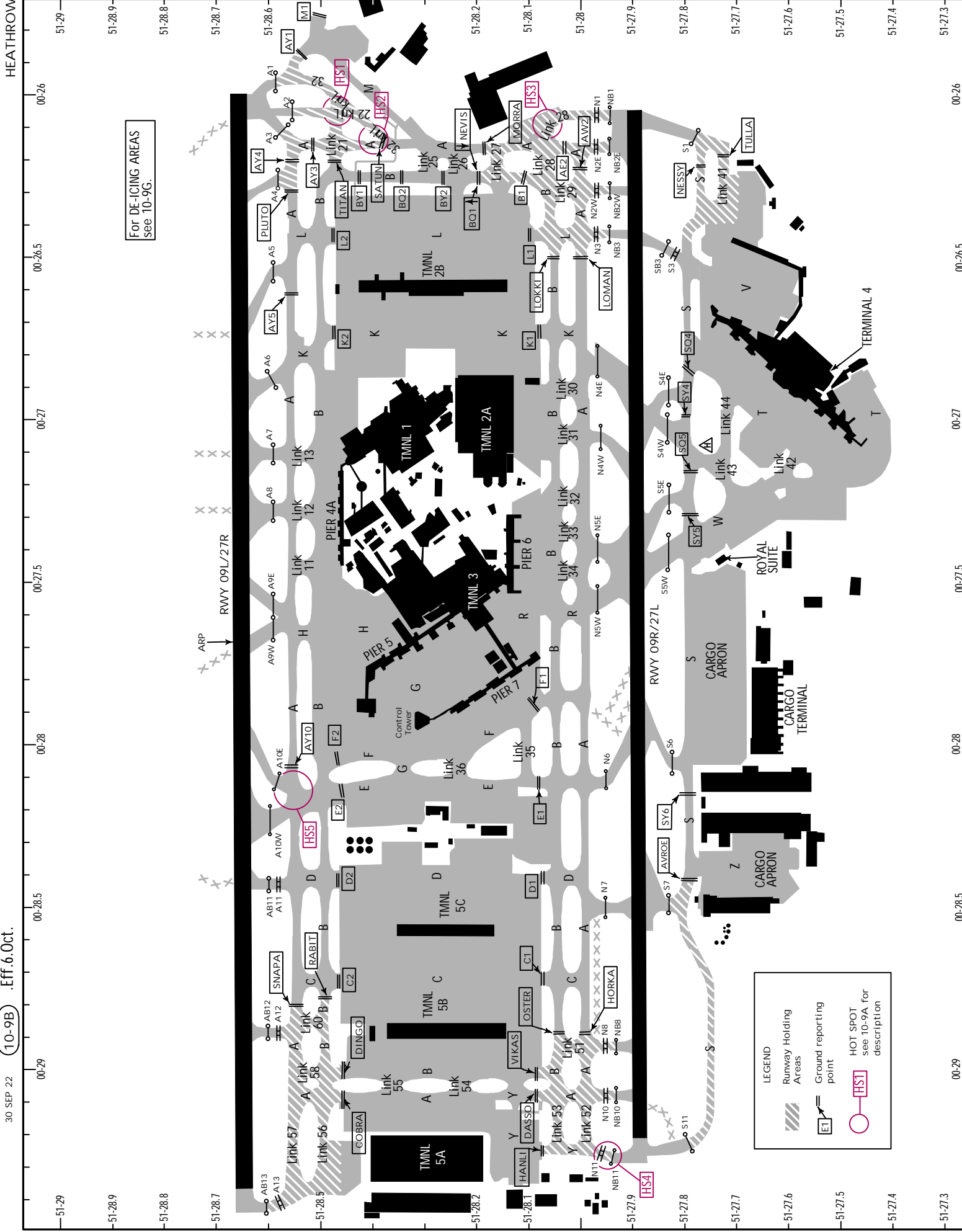
30 SEP 22 10-9B .Eff.6.Oct.



For DE-ICING AREAS see 10-9G.

LEGEND

- Runway Holding Areas
- Ground reporting point
- HOT SPOT see 10-9A for description



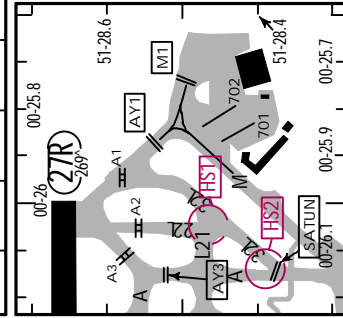
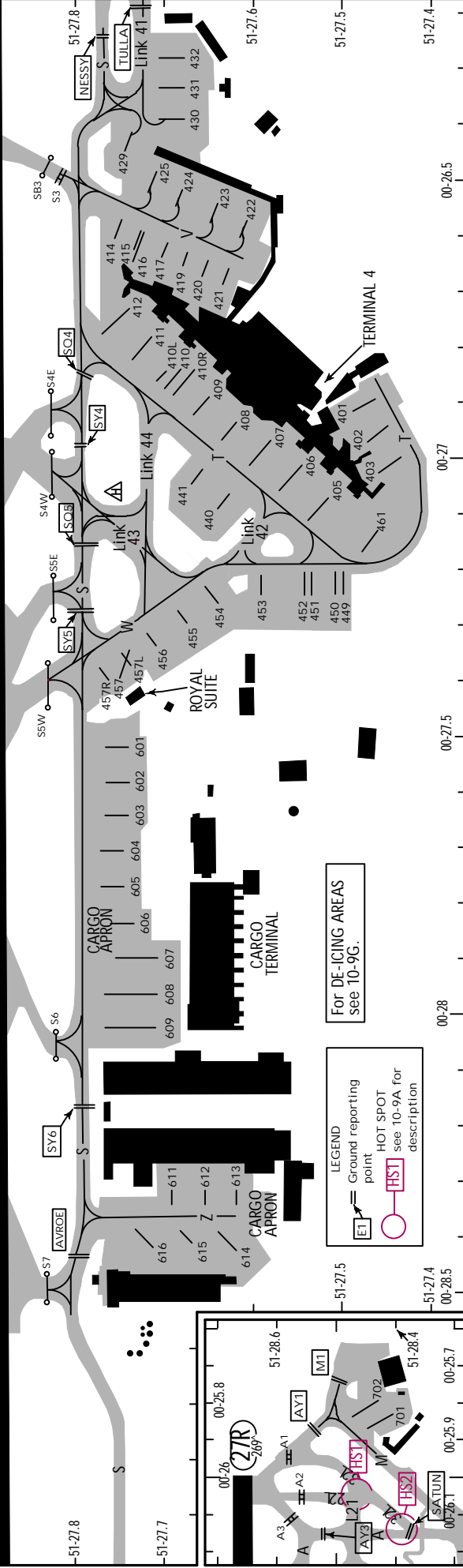
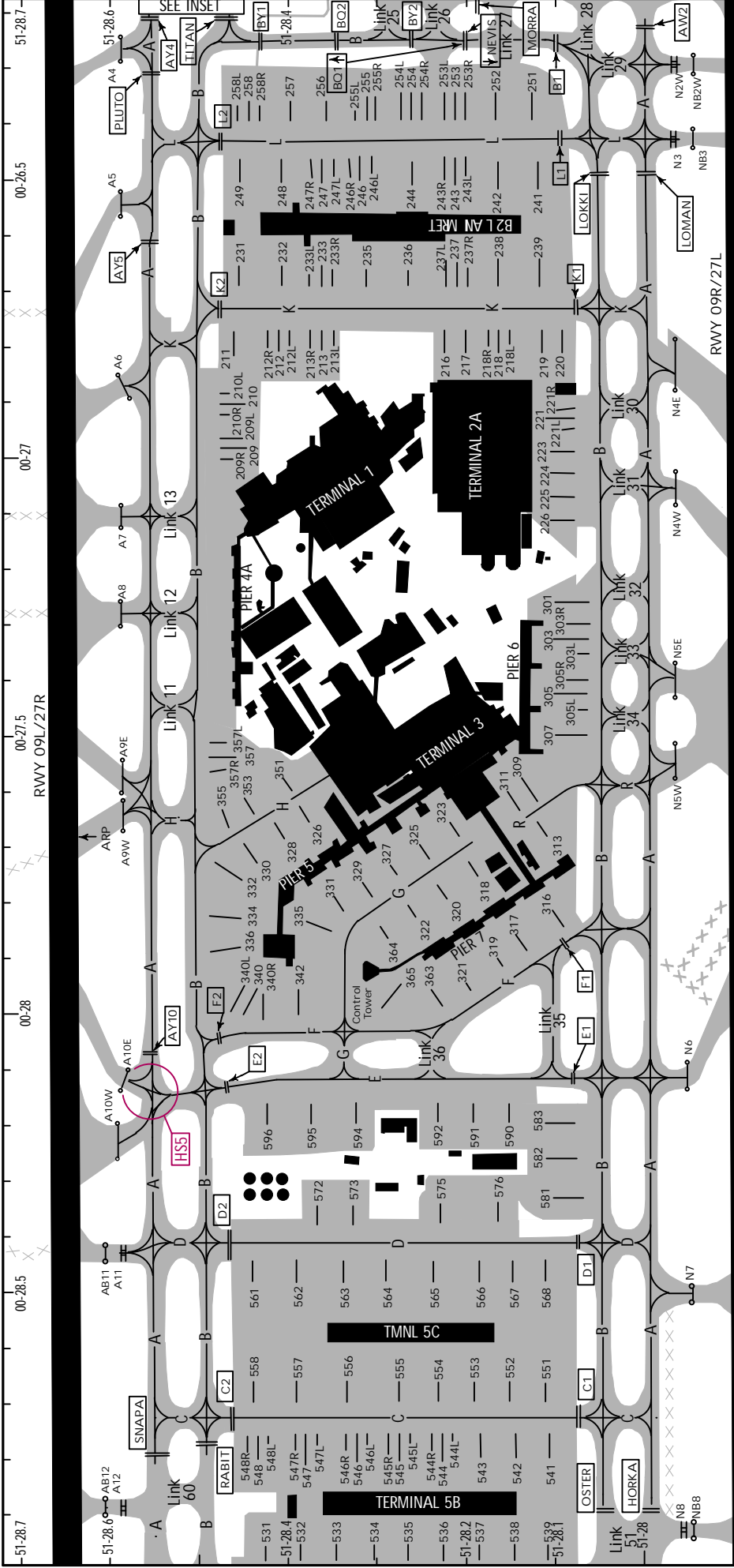
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LEGEND

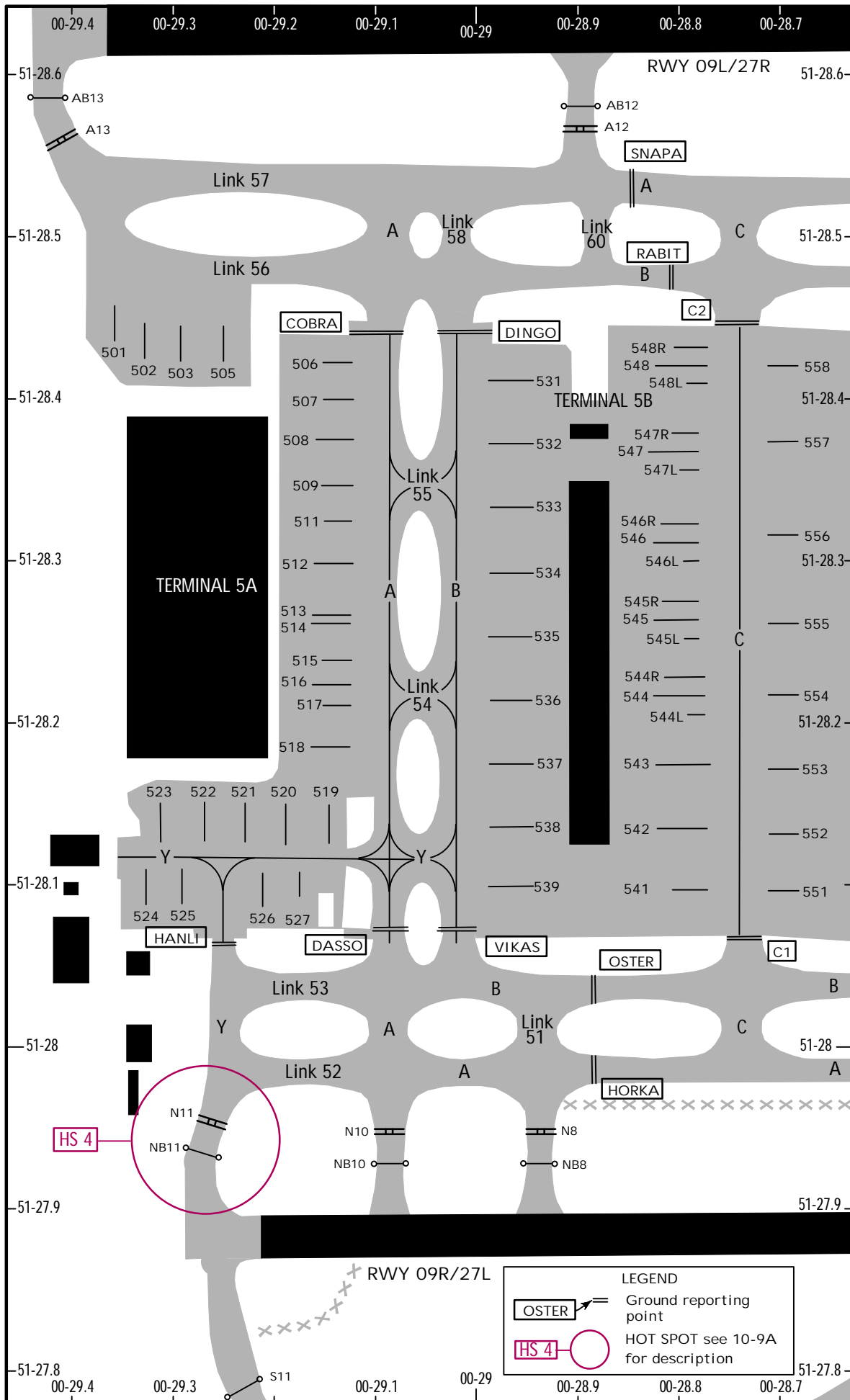
- Ground reporting point
- HOT SPOT see 10-9A for description

For DE-ICING AREAS see 10-9C.

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30 SEP 22 (10-9E).Eff.6.Oct.

HEATHROW

INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
209, 209R	N51 28.4 W000 27.0	305, 305L/R	N51 28.1 W000 27.4
209L	N51 28.5 W000 27.0	307	N51 28.1 W000 27.5
210, 210R	N51 28.4 W000 26.9	309	N51 28.1 W000 27.6
210L	N51 28.5 W000 26.9	311	N51 28.2 W000 27.6
211	N51 28.5 W000 26.9	313	N51 28.1 W000 27.7
212	N51 28.4 W000 26.9	316	N51 28.1 W000 27.8
212L/R	N51 28.4 W000 26.8	317, 318	N51 28.2 W000 27.8
213	N51 28.4 W000 26.9	319	N51 28.2 W000 27.9
213L	N51 28.3 W000 26.8	320	N51 28.2 W000 27.8
213R	N51 28.4 W000 26.8	321, 322	N51 28.2 W000 27.9
216 thru 218R	N51 28.2 W000 26.8	323	N51 28.2 W000 27.6
218L	N51 28.1 W000 26.8	325	N51 28.3 W000 27.7
219, 220	N51 28.1 W000 26.8	326	N51 28.4 W000 27.7
221, 221R	N51 28.1 W000 26.9	327	N51 28.3 W000 27.7
221L thru 224	N51 28.1 W000 27.0	328	N51 28.4 W000 27.7
225, 226	N51 28.1 W000 27.1	329	N51 28.3 W000 27.7
231 thru 233R	N51 28.4 W000 26.6	330 thru 335	N51 28.4 W000 27.8
235, 236	N51 28.3 W000 26.6	336, 340	N51 28.4 W000 27.9
237 thru 238	N51 28.2 W000 26.6	340L	N51 28.4 W000 28.0
239	N51 28.1 W000 26.6	340R, 342	N51 28.4 W000 27.9
241	N51 28.1 W000 26.5	351	N51 28.4 W000 27.5
242 thru 243R	N51 28.2 W000 26.5	353, 355	N51 28.5 W000 27.6
244 thru 246R	N51 28.3 W000 26.6	357	N51 28.4 W000 27.5
246L	N51 28.3 W000 26.5	357L, 357R	N51 28.5 W000 27.5
247, 247R	N51 28.4 W000 26.6	363 thru 365	N51 28.3 W000 27.9
247L	N51 28.3 W000 26.5		
248	N51 28.4 W000 26.5		
249	N51 28.4 W000 26.6		
251	N51 28.1 W000 26.3		
252 thru 253R	N51 28.2 W000 26.3		
254 thru 255R	N51 28.3 W000 26.3		
256 thru 258R	N51 28.4 W000 26.3		
258L	N51 28.5 W000 26.3		
301, 303, 303R	N51 28.1 W000 27.3		
303L	N51 28.1 W000 27.4		

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HEATHROW

INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
401	N51 27.5 W000 26.9	541, 542	N51 28.1 W000 28.8
402 thru 406	N51 27.5 W000 27.0	543 thru 544R	N51 28.2 W000 28.8
407	N51 27.6 W000 27.0	545L thru 546R	N51 28.3 W000 28.8
408, 409	N51 27.6 W000 26.9	547L thru 548R	N51 28.4 W000 28.8
410 thru 411	N51 27.7 W000 26.8	551	N51 28.1 W000 28.6
412	N51 27.7 W000 26.7	552 thru 554	N51 28.2 W000 28.6
414	N51 27.8 W000 26.6	555, 556	N51 28.3 W000 28.6
415 thru 420	N51 27.7 W000 26.7	557, 558	N51 28.4 W000 28.6
421	N51 27.6 W000 26.7	561, 562	N51 28.4 W000 28.5
422, 423	N51 27.6 W000 26.5	563, 564	N51 28.3 W000 28.5
424, 425	N51 27.7 W000 26.5	565, 566	N51 28.2 W000 28.5
429	N51 27.8 W000 26.5	567, 568	N51 28.1 W000 28.5
430	N51 27.7 W000 26.4	572	N51 28.4 W000 28.3
431, 432	N51 27.7 W000 26.3	573	N51 28.3 W000 28.3
440, 441	N51 27.7 W000 27.1	575, 576	N51 28.2 W000 28.3
449 thru 452	N51 27.5 W000 27.3	581, 582	N51 28.1 W000 28.3
453, 454	N51 27.6 W000 27.3	583	N51 28.1 W000 28.2
455	N51 27.7 W000 27.3	590 thru 592	N51 28.2 W000 28.2
456 thru 457R	N51 27.7 W000 27.4	594	N51 28.3 W000 28.2
458	N51 27.8 W000 27.4	595, 596	N51 28.4 W000 28.2
461	N51 27.5 W000 27.1	601	N51 27.7 W000 27.5
501	N51 28.4 W000 29.4	602, 603	N51 27.7 W000 27.6
502 thru 505	N51 28.4 W000 29.3	604	N51 27.7 W000 27.7
506 thru 509	N51 28.4 W000 29.2	605, 606	N51 27.7 W000 27.8
511 thru 515	N51 28.3 W000 29.2	607	N51 27.7 W000 27.9
516 thru 518	N51 28.2 W000 29.2	608, 609	N51 27.7 W000 28.0
519	N51 28.2 W000 29.1	611, 612	N51 27.7 W000 28.3
520, 521	N51 28.2 W000 29.2	613	N51 27.6 W000 28.3
522, 523	N51 28.2 W000 29.3	614	N51 27.6 W000 28.4
524, 525	N51 28.1 W000 29.3	615	N51 27.7 W000 28.5
526, 527	N51 28.1 W000 29.2	616	N51 27.7 W000 28.4
531, 532	N51 28.4 W000 28.9	701, 702	N51 28.4 W000 25.8
533 thru 535	N51 28.3 W000 28.9		
536, 537	N51 28.2 W000 28.9		
538, 539	N51 28.1 W000 28.9		

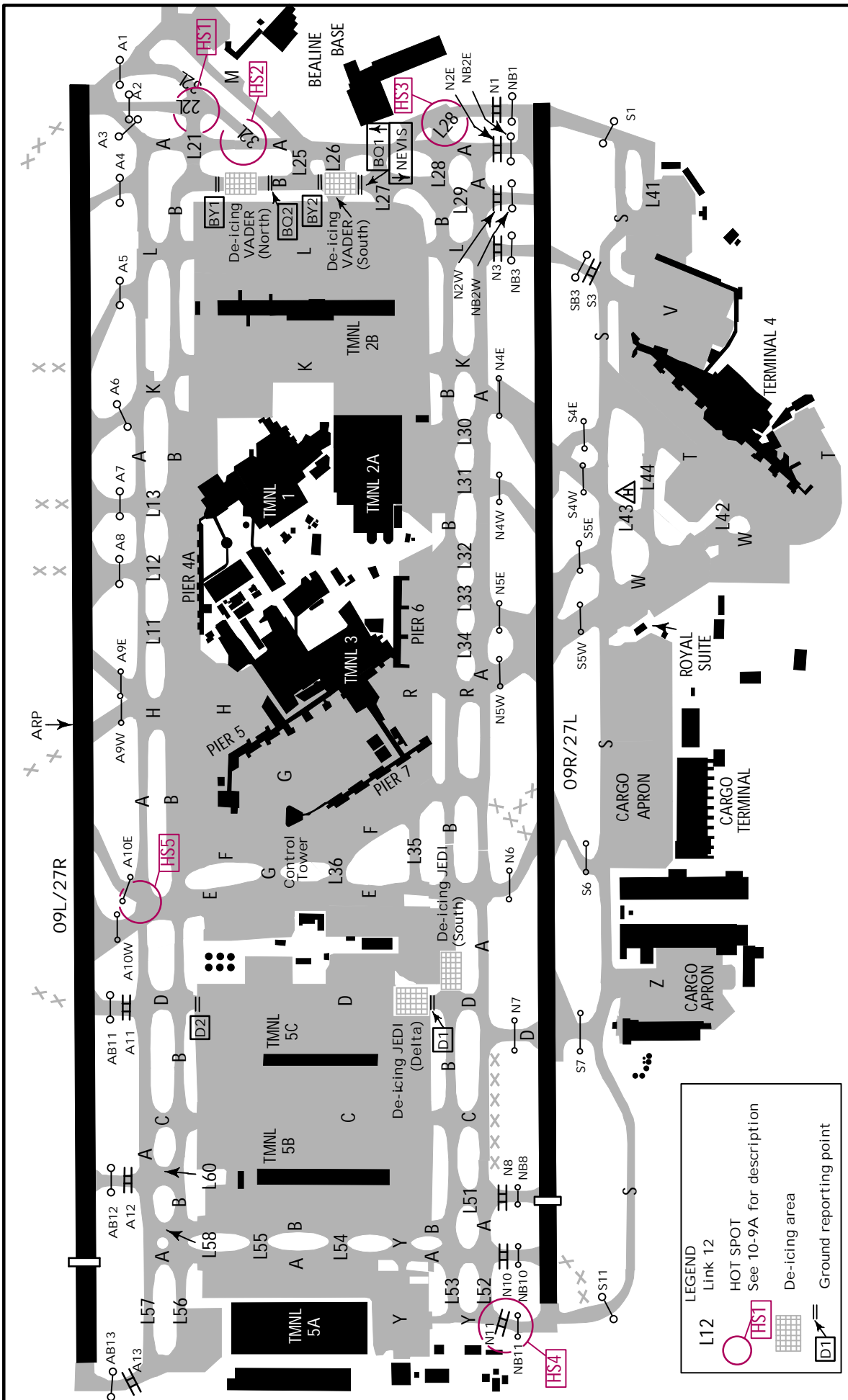
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30 SEP 22 10-9G .Eff.6.Oct.

HEATHROW



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 **JEPPESEN**
26 NOV 21 **10-9Y** .Eff.2.Dec.

EASA AIR OPS
LONDON, UK
HEATHROW

COPTER

STRAIGHT-IN RWY		DA(H) / MDA(H)	RVR (ALS/ALS out)
09L	CAT 2 ILS DME	179' (100')	RA 100' - R300m
	ILS DME	279' (200')	R500m / R1000m
	LOC	480' (401')	R800m / R1000m
	RNP (LNAV/VNAV)	450' (371')	R750m / R1000m
	RNP (LNAV)	620' (541')	R1000m / R1000m
09R	CAT 2 ILS DME	175' (100')	RA 100' - R300m
	ILS DME	275' (200')	R500m / R1000m
	LOC	480' (405')	R800m / R1000m
	RNP (LNAV/VNAV)	400' (325')	R750m / R1000m
	RNP (LNAV)	620' (545')	R1000m / R1000m
27L	CAT 2 ILS DME	177' (100')	RA 102' - R300m
	ILS DME	277' (200')	R500m / R1000m
	LOC	640' (563')	R1000m / R1000m
	RNP (LNAV/VNAV)	380' (303')	R750m / R1000m
	RNP (LNAV)	640' (563')	R1000m / R1000m
27R	CAT 2 ILS DME	178' (100')	RA 102' - R300m
	ILS DME	278' (200')	R500m / R1000m
	LOC	640' (562')	R1000m / R1000m
	RNP (LNAV/VNAV)	380' (302')	R750m / R1000m
	RNP (LNAV)	640' (562')	R1000m / R1000m

CIRCLE-TO-LAND	MDA(H)	VIS
	770' (687')	V1000m

TAKE-OFF RWY 09L/R, 27L/R			
1 LVP must be in Force			
RL or FATO lights & RCLM & RVR info	RL or FATO lights & RCLM	Nil Facilities DAY	Nil Facilities NIGHT
R150m	R200m	2 R250m	R/V800m

1 Without LVP R/V400m are stipulated.

2 Or rejected take-off distance whichever is the greater.

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HEATHROW

JEPPESSEN
21 JAN 22
Eff. 27 Jan. (11-1)

LONDON, UK
DME or LOC DME Rwy 09L

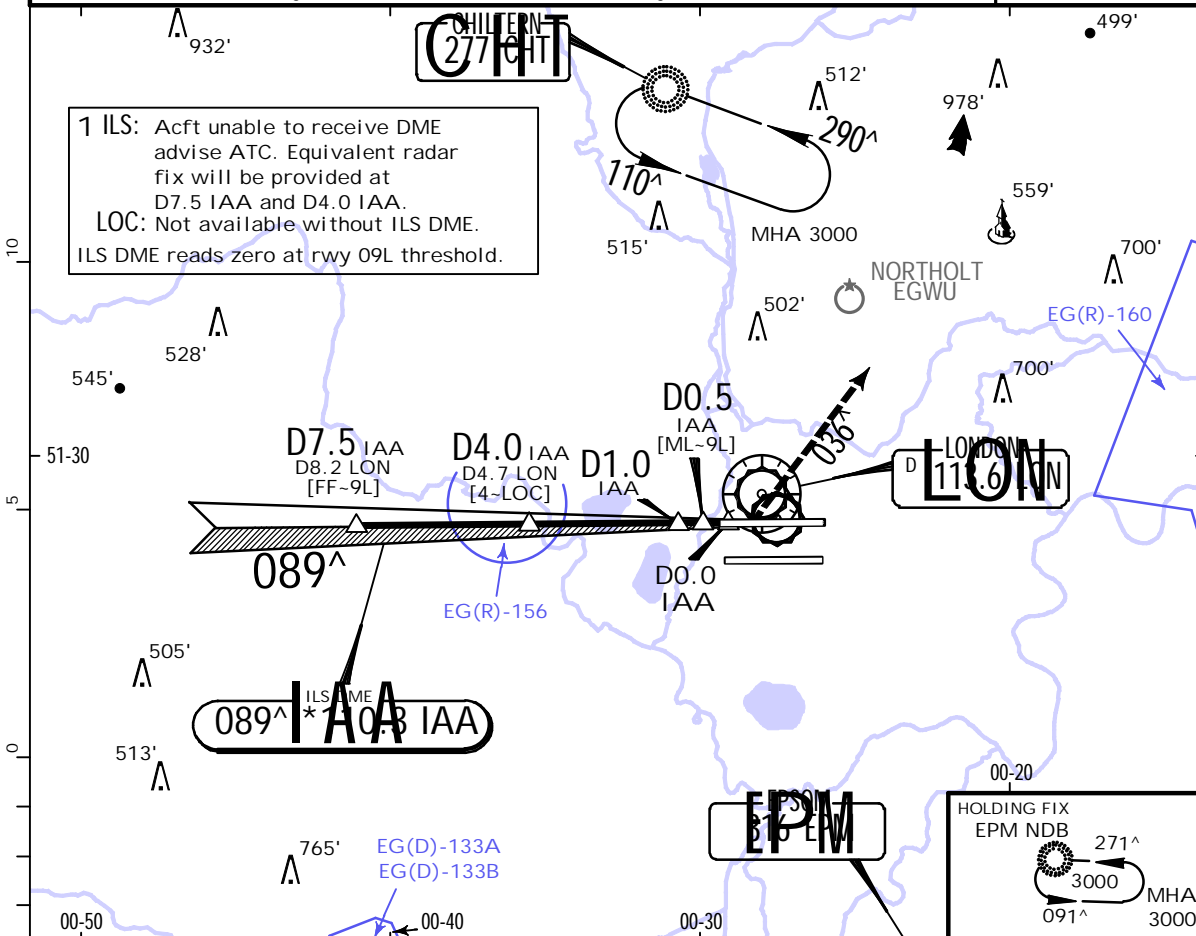
*D-ATIS 113.750 117.0 128.080	HEATHROW Director (APP) 119.730	HEATHROW Tower 118.505 118.705	*Ground 121.905 121.705 121.855
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BRIEFING STRIP™

LOC IAA *110.3	Final Apch Crs 089^	D7.5 IAA 2500' (2421')	ILS DA(H) 279' (200')	Apt Elev 83' Rwy 79'	
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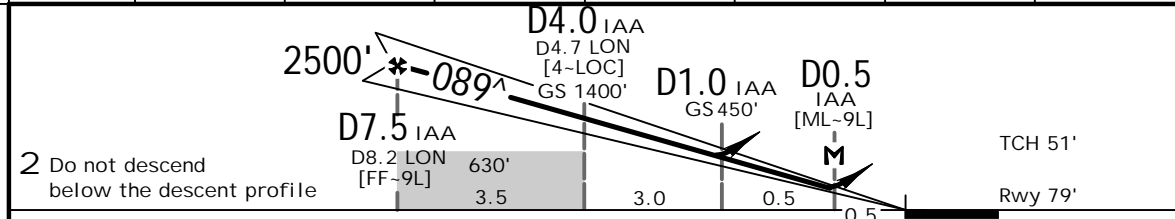
MISSED APCH: Climb STRAIGHT AHEAD, when passing 1580' or D0.0 IAA inbound, whichever is later, climbing turn LEFT on track 036^ to 3000', then as directed. In event of radio failure see 11-5.

Alt Set: hPa	Rwy Elev: 3 hPa	Trans level: By ATC	Trans alt: 6000'	MSA LON VOR
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1 ILS: Acft unable to receive DME advise ATC. Equivalent radar fix will be provided at D7.5 IAA and D4.0 IAA.
LOC: Not available without ILS DME.
ILS DME reads zero at rwy 09L threshold.

LOC 2 (GS out)	IAA DME	7.0	6.0	5.0	4.0	3.0	2.0
	ALTITUDE	2360'	2040'	1720'	1400'	1080'	770'



Gnd speed-Kts	70	90	100	120	140	160			1580' D0.0 IAA 036^ whichever later
GS	3.00^	372	478	531	637	849			

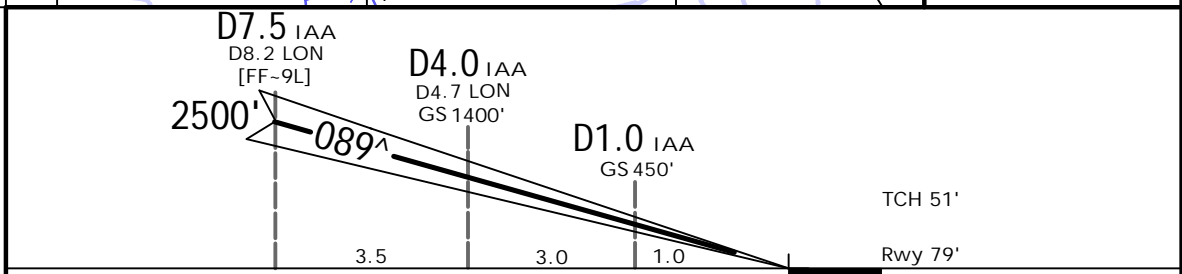
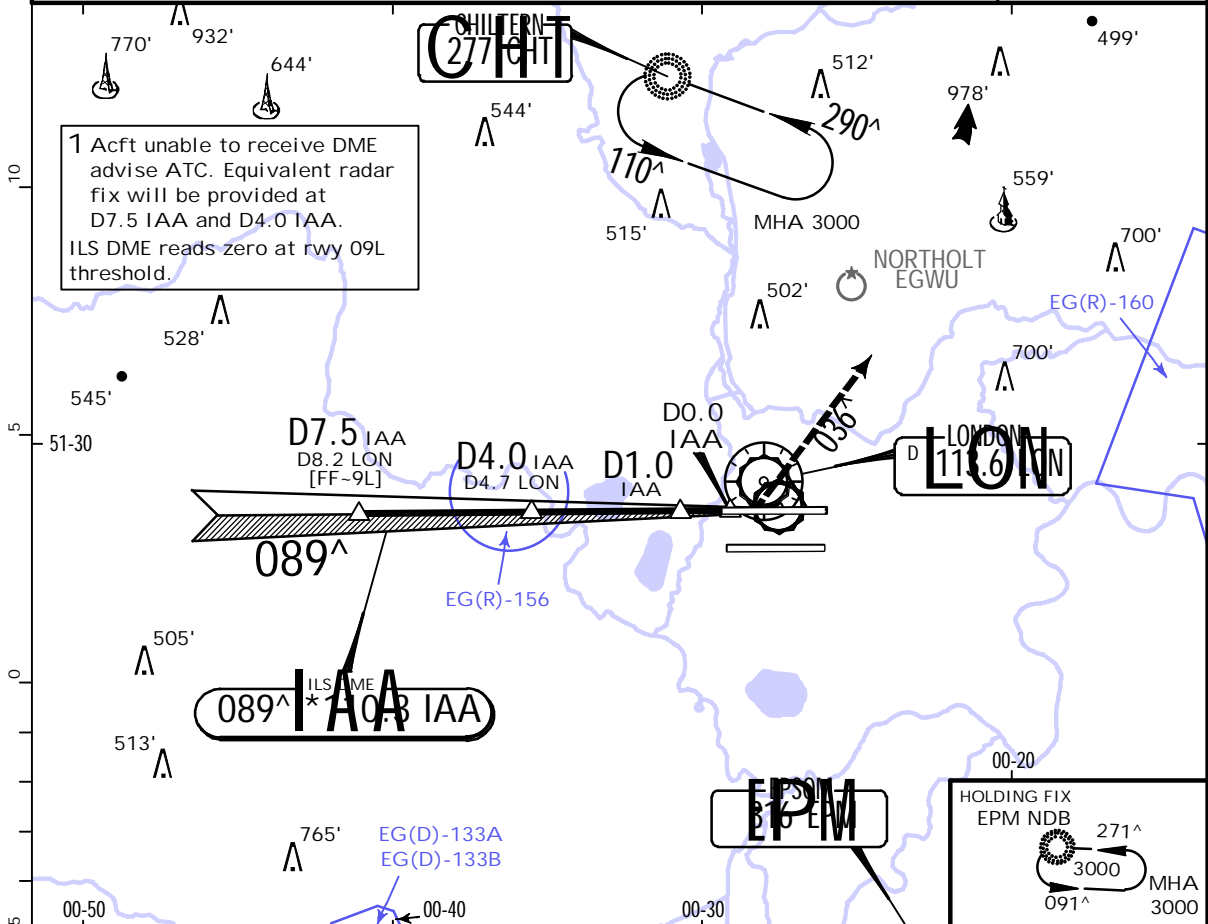
PANS OPS	.Standard. ILS STRAIGHT-IN LANDING RWY 09L				CIRCLE-TO-LAND				
	FULL		IDZ or CL out		ALS out		Max Kts	MDA(H)	VIS
	DA(H) 279' (200')		DA(MDA(H)) 480' (401')		ALS out		100	770' (687')	1500m
	A	RVR 550m	RVR 550m	RVR 1200m	RVR 1200m	RVR 1500m	135	770' (687')	1600m
B	RVR 550m	RVR 550m	RVR 1200m	RVR 1200m	RVR 1900m	180	870' (787')	2400m	
C	RVR 550m	RVR 550m	RVR 1200m	RVR 1200m	RVR 1900m	205	870' (787')	3600m	
D	RVR 550m	RVR 550m	RVR 1200m	RVR 1200m	RVR 1900m				

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HEATHROW

JEPPESEN
21 JAN 22
.Eff. 27 Jan. (11-1A)

LONDON, UK
1 CAT II/III ILS DME Rwy 09L

*D-ATIS 113.750 117.0 128.080			HEATHROW Director (APP) 119.730		HEATHROW Tower 118.505 118.705		*Ground 121.905 121.705 121.855	
LOC IAA *110.3	Final Apch Crs 089[^]	D7.5 IAA 2500' (2421')	CAT IIIB, IIIA & II ILS Refer to Minimums		Apt Elev 83' Rwy 79'			
MISSED APCH: Climb STRAIGHT AHEAD, when passing 1580' or D0.0 IAA inbound, whichever is later, climbing turn LEFT on track 036 [^] to 3000', then as directed. In event of radio failure see 11-5.								MSA LON VOR
Alt Set: hPa		Rwy Elev: 3 hPa		Trans level: By ATC		Trans alt: 6000'		
Special Aircrew & Acft Certification Required.								



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI 1580' D0.0 IAA 036 [^] ↑ whichever later ↑ LT
GS	3.00 [^]	372	478	531	637	849	

PANS OPS	Standard CAT IIIB ILS	STRAIGHT-IN LANDING RWY 09L CAT IIIA ILS	CAT II ILS
		DA 50'	RA 100' DA(H) 179' (100')
	RVR 75m	RVR 200m	RVR 300m

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HEATHROW

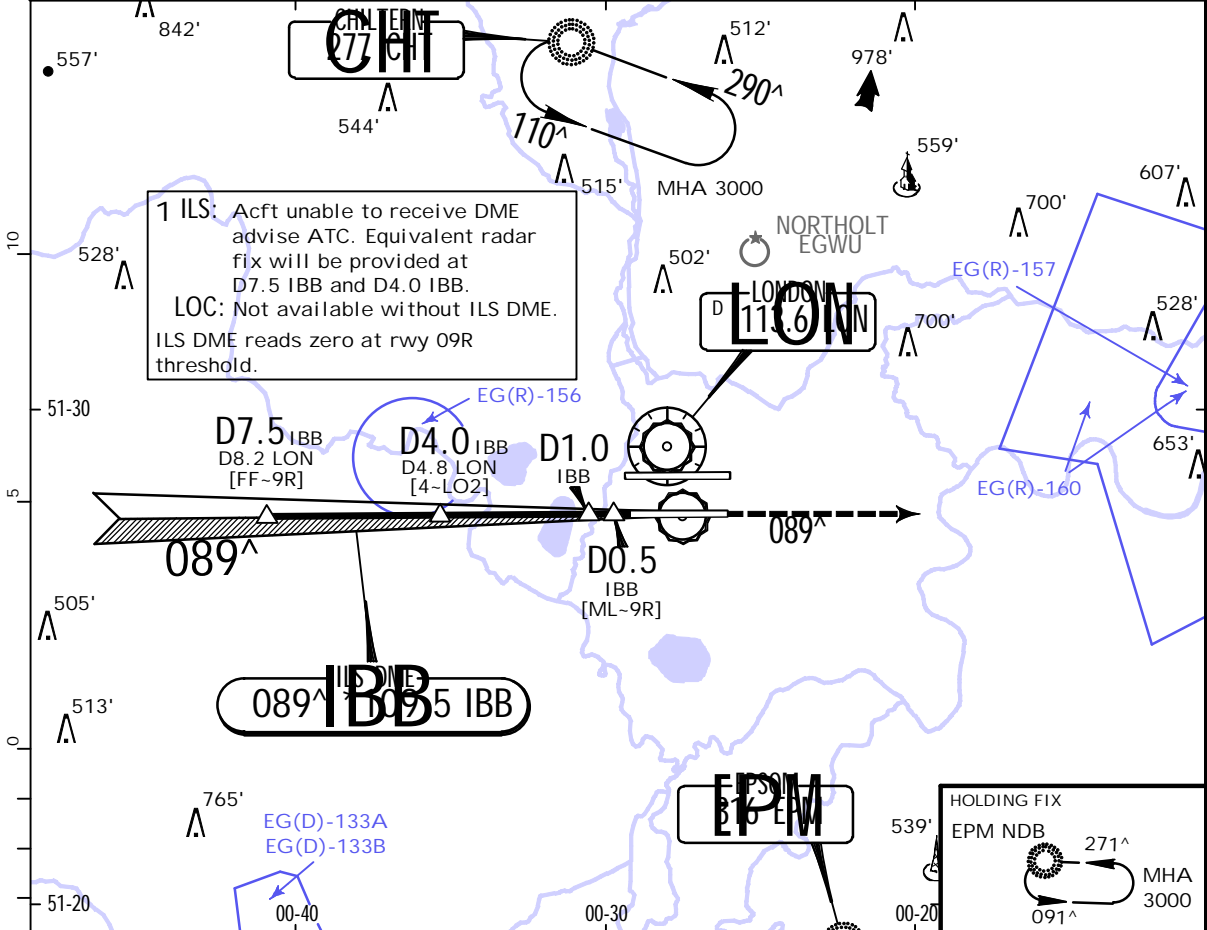
21 JAN 22
Eff. 27 Jan.



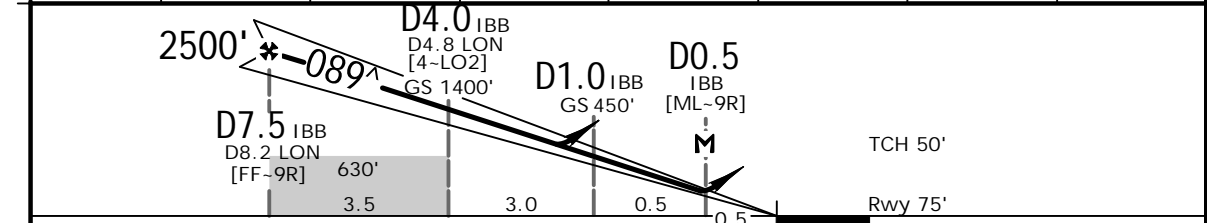
11-2

LONDON, UK
1 ILS DME or LOC DME Rwy 09R

*D-ATIS 113.750 117.0 128.080			HEATHROW Director (APP) 119.730		HEATHROW Tower 118.505 118.705		*Ground 121.905 121.705 121.855			
LOC IBB *109.5		Final Apch Crs 089 [^]		D7.5 IBB 2500' (2425')		ILS DA(H) 275' (200')		Apt Elev 83' Rwy 75'		
Alt Set: hPa			Rwy Elev: 3 hPa		Trans level: By ATC			Trans alt: 6000'		



LOC (GS out)	IBB DME	7.0	6.0	5.0	4.0	3.0	2.0
	ALTITUDE	2360'	2040'	1720'	1400'	1080'	760'



Gnd speed-Kts	70	90	100	120	140	160	
GS	3.00 [^]	372	478	531	637	849	
MAP at D0.5 IBB							

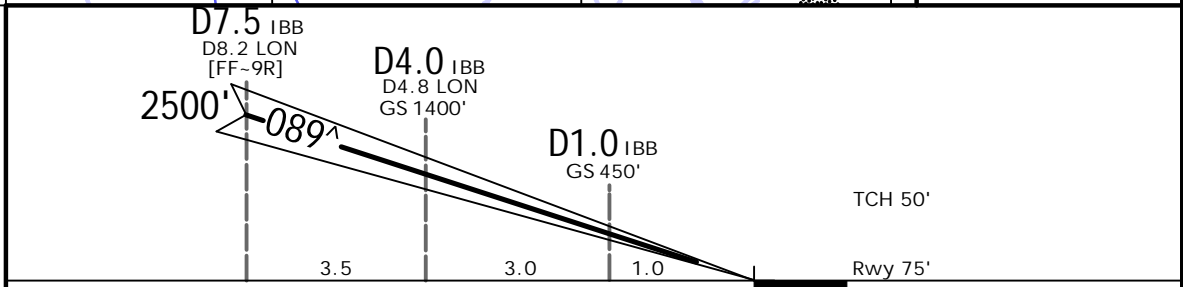
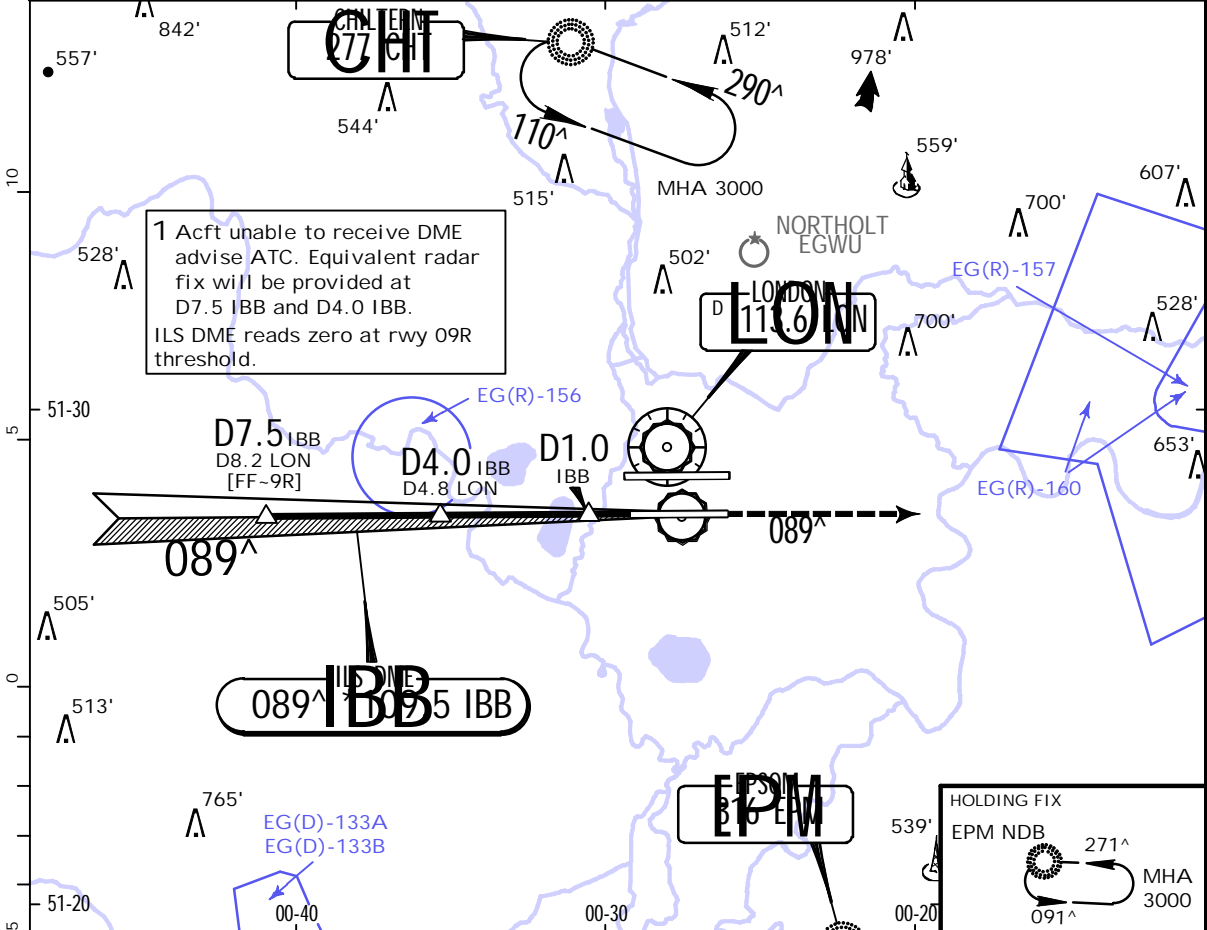
PANS OPS	STRAIGHT-IN LANDING RWY 09R				CIRCLE-TO-LAND			
	ILS			LOC (GS out)				
	DA(H) 275' (200')			DA/MDA(H) 480' (405')				
	FULL	TDZ or CL out	ALS out		ALS out	Max Kts	MDA(H)	vis
A						100	770' (687')	1500m
B	RVR 550m	RVR 550m	RVR 1200m	RVR 1200m	RVR 1500m	135	770' (687')	1600m
C		1			RVR 1900m	180	870' (787')	2400m
D						205	870' (787')	3600m

1 RVR 750m when a Flight Director or Autopilot or HUD to DA is not used.
CHANGES: Boundary EG(R)-156 added. | JEPPESSEN, 1998, 2022. ALL RIGHTS RESERVED.

EGLL/LHR
HEATHROW

JEPPESEN LONDON, UK
21 JAN 22 .Eff. 27 Jan. (11-2A) **1 CAT II/III ILS DME Rwy 09R**

*D-ATIS 113.750 117.0 128.080			HEATHROW Director (APP) 119.730		HEATHROW Tower 118.505 118.705		*Ground 121.905 121.705 121.855		
LOC IBB *109.5	Final Apch Crs 089[^]	D7.5 IBB 2500' (2425')	CAT IIIB, IIIA & II ILS Refer to Minimums		Apt Elev 83' Rwy 75'				
MISSED APCH: Climb STRAIGHT AHEAD to 3000', then as directed. In event of radio failure see 11-5.									
Alt Set: hPa		Rwy Elev: 3 hPa		Trans level: By ATC		Trans alt: 6000'			
Special Aircrew & Acft Certification Required.							MSA LON VOR		



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI 	3000' ↑ on 089 [^]
GS	3.00 [^]	372	478	531	637	849		

.Standard.	CAT IIIB ILS	STRAIGHT-IN LANDING RWY 09R CAT IIIA ILS	CAT II ILS
	RVR 75m	RVR 200m	RVR 300m
		DA(H) 50'	RA 100' DA(H) 175' (100')

EGLL/LHR
HEATHROW

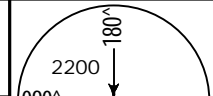
JEPPESEN
21 JAN 22
Eff. 27 Jan. (11-3)

LONDON, UK
1 ILS DME or LOC DME Rwy 27L

*D-ATIS 113.750 117.0 128.080	HEATHROW Director (APP) 119.730	HEATHROW Tower 118.505 118.705	*Ground 121.905 121.705 121.855
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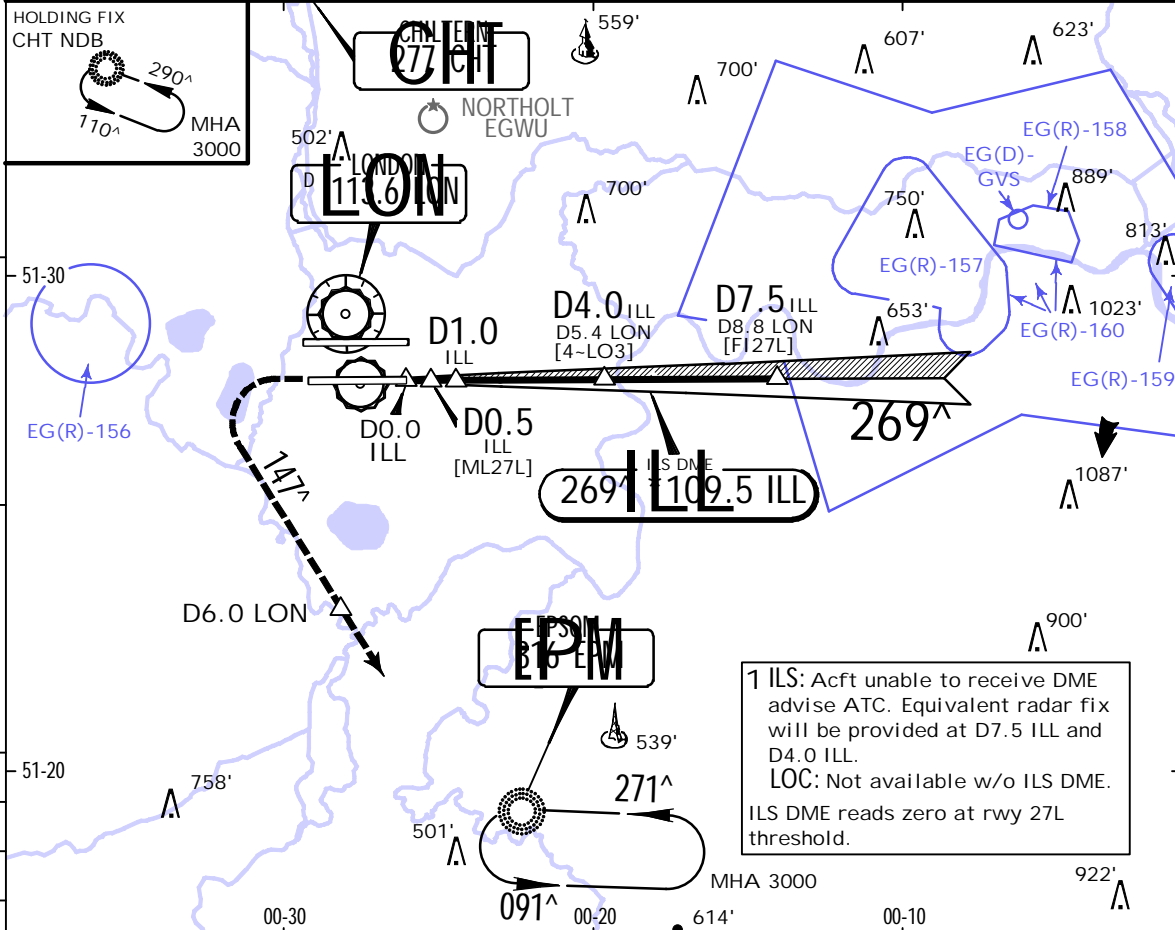
BRIEFING STRIP™

LOC ILL *109.5	Final Apch Crs 269[^]	D7.5 ILL 2500' (2423')	ILS DA(H) 277' (200')	Apt Elev 83' Rwy 77'
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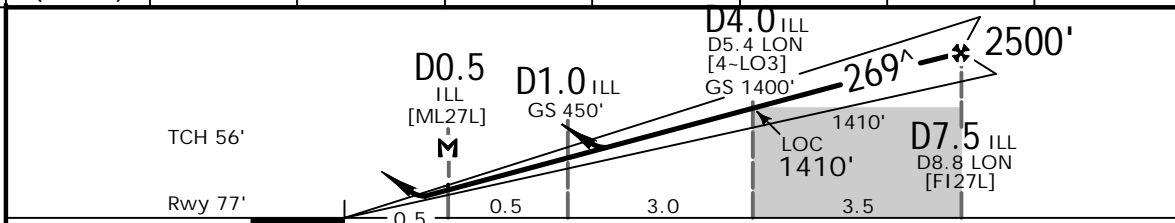


MISSED APCH: Climb STRAIGHT AHEAD, when passing 1080' or D0.0 ILL, whichever is later, climbing turn LEFT on track 147[^] to 2000'. When passing D6.0 LON climb without delay to 3000', then as directed.
In event of radio failure see 11-6.

Alt Set: hPa Rwy Elev: 3 hPa Trans level: By ATC Trans alt: 6000' MSA LON VOR



LOC (GS out)	ILL DME	2.0	3.0	4.0	5.0	6.0	7.0
	ALTITUDE	770'	1090'	1410'	1730'	2040'	2360'



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI	1080'	DO.0 ILL ↑ whichever later	147 [^] LT
GS	3.00 [^]	372	478	531	637	849				

PANS OPS	Standard. ILS STRAIGHT-IN LANDING RWY 27L			LOC (GS out) CDFA		CIRCLE-TO-LAND	
	FULL	IDZ or CL out	ALS out	DA(MDA(H))	640' (563')	Max Kts	MDA(H) VIS
A						100	770' (687') 1500m
B	RVR 550m	RVR 550m 1	RVR 1200m			135	770' (687') 1600m
C				RVR 1900m	RVR 2400m	180	870' (787') 2400m
D						205	870' (787') 3600m

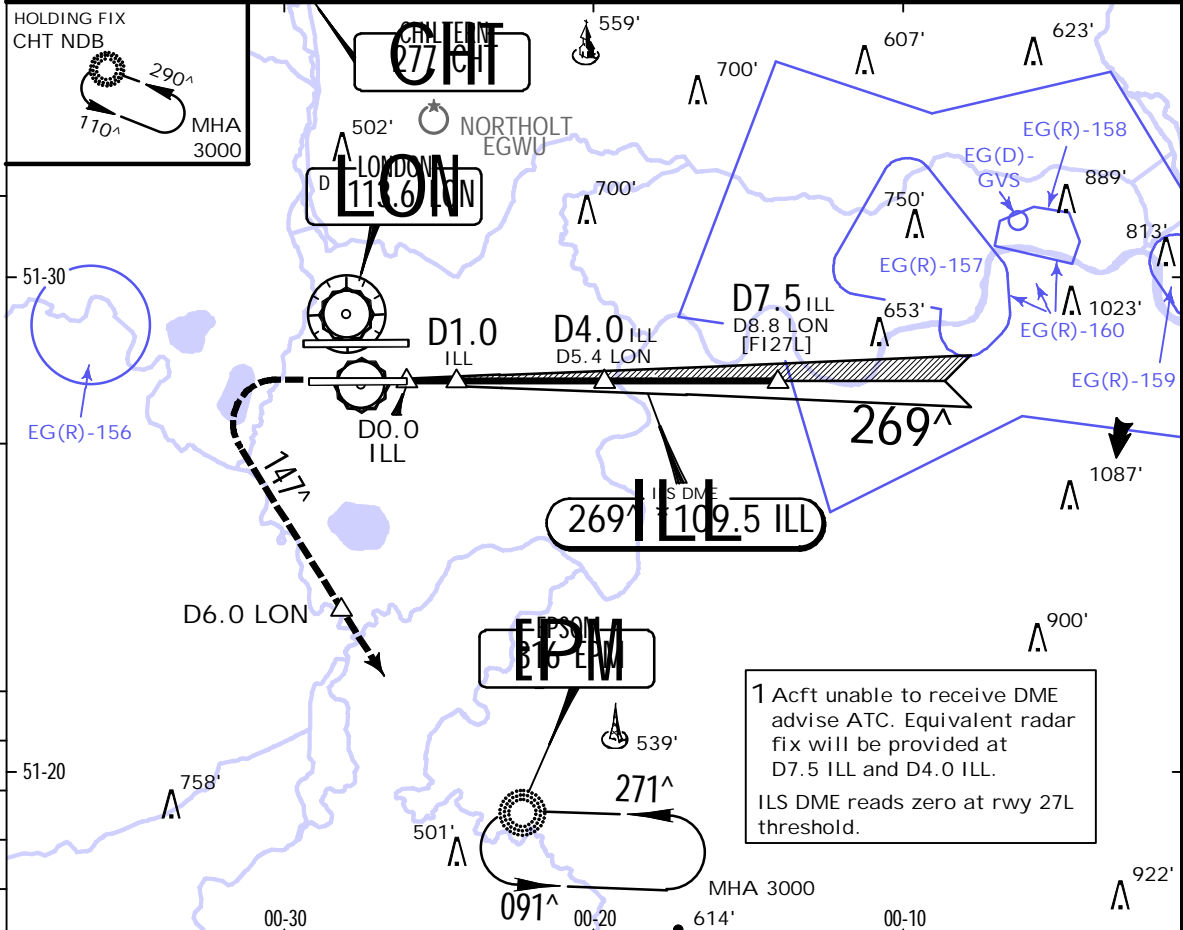
1 RVR 750m when a Flight Director or Autopilot or HUD to DA is not used.
CHANGES: Boundary EG(R)-156 added. | JEPPESEN, 1998, 2022. ALL RIGHTS RESERVED.

EGLL/LHR
HEATHROW

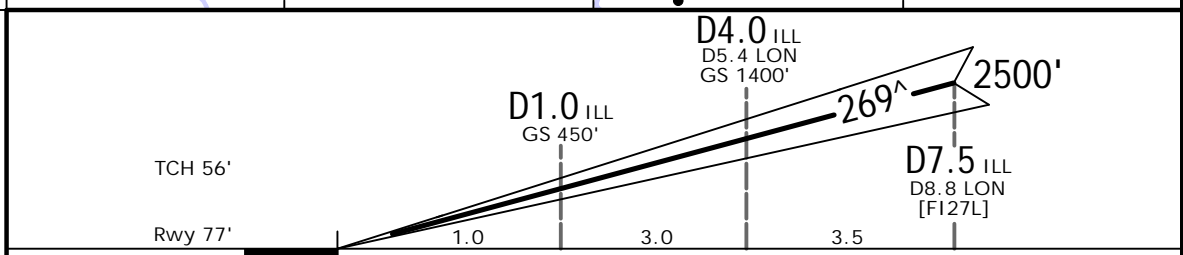
JEPPESSEN
21 JAN 22
.Eff. 27 Jan. (11-3A) 1 CAT II/III ILS

LONDON, UK
DME Rwy 27L

*D-ATIS 113.750 117.0 128.080			HEATHROW Director (APP) 119.730		HEATHROW Tower 118.505 118.705		*Ground 121.905 121.705 121.855		
LOC ILL *109.5	Final Apch Crs 269[^]	D7.5 ILL 2500' (2423')	CAT IIIB, IIIA & II ILS Refer to Minimums		Apt Elev 83' Rwy 77'				
MISSED APCH: Climb STRAIGHT AHEAD, when passing 1080' or D0.0 ILL, whichever is later, climbing turn LEFT on track 147 [^] to 2000'. When passing D6.0 LON climb without delay to 3000', then as directed. In event of radio failure see 11-6.								MSA LON VOR	
Alt Set: hPa		Rwy Elev: 3 hPa		Trans level: By ATC		Trans alt: 6000'			
Special Aircrew & Acft Certification Required.									



1 Acft unable to receive DME advise ATC. Equivalent radar fix will be provided at D7.5 ILL and D4.0 ILL.
ILS DME reads zero at rwy 27L threshold.



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI	1080'	D0.0 ILL	147 [^]
GS	3.00 [^]	372	478	531	637	849		↑	whichever later	↑

PANS OPS	Standard CAT IIIB ILS	STRAIGHT-IN LANDING RWY 27L CAT IIIA ILS	CAT II ILS
		RA 102' DA(H) 177' (100')	
	RVR 75m	RVR 200m	RVR 300m

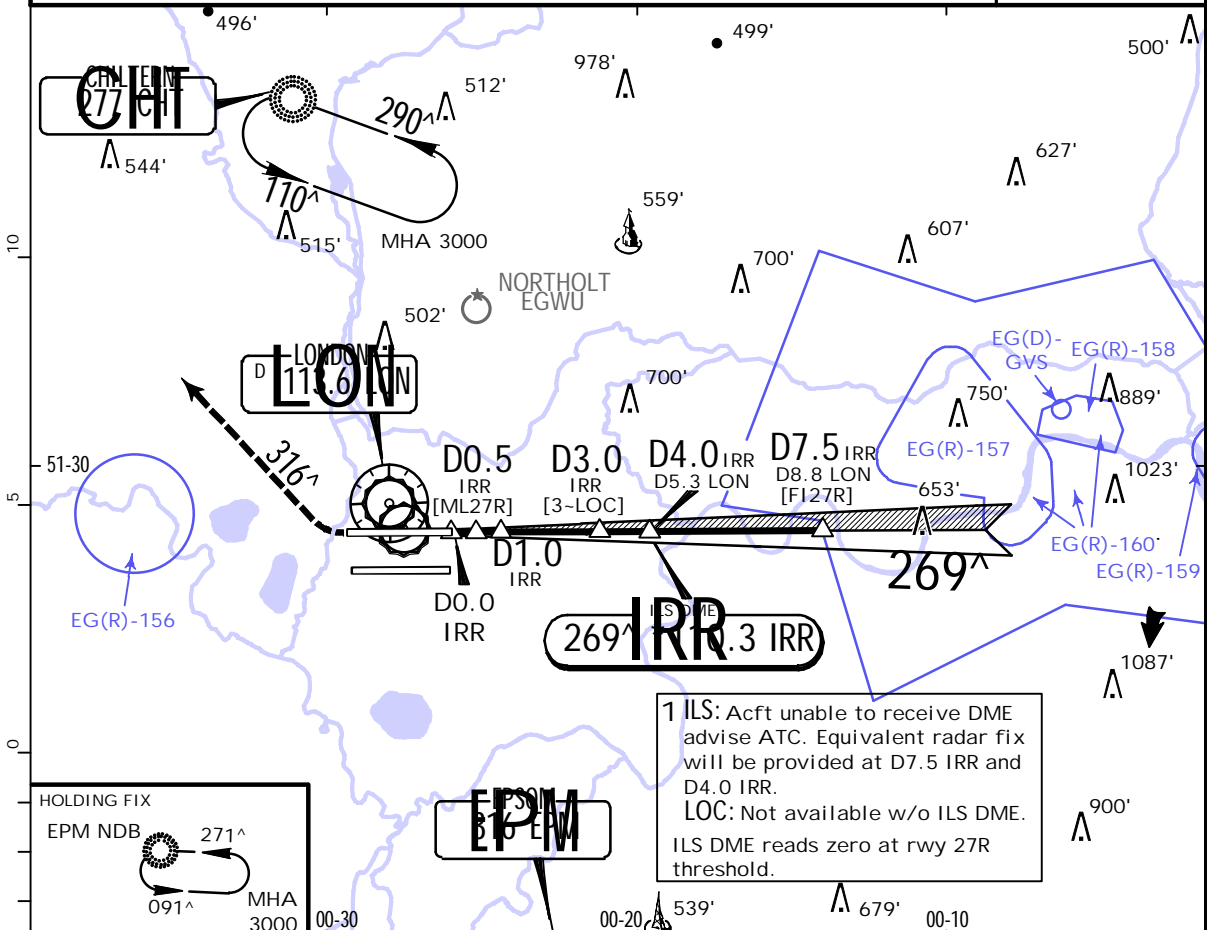
EGLL/LHR
HEATHROW

21 JAN 22
Eff. 27 Jan.

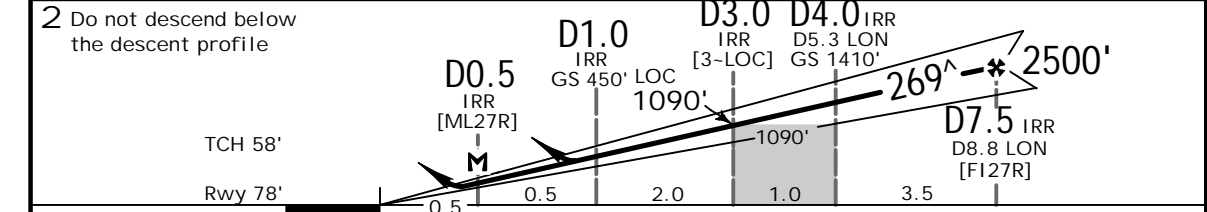
JEPPESEN
(11-4)

LONDON, UK
1 ILS DME or LOC DME Rwy 27R

*D-ATIS 113.750 117.0 128.080			HEATHROW Director (APP) 119.730		HEATHROW Tower 118.505 118.705		*Ground 121.905 121.705 121.855		
LOC IRR *110.3	Final Apch Crs 269[^]	D7.5 IRR 2500' (2422')	ILS DA(H) 278' (200')	Apt Elev 83' Rwy 78'					
MISSED APCH: Climb STRAIGHT AHEAD when passing 1580' or D0.0 IRR, whichever is later, climbing turn RIGHT on track 316 [^] to 3000', then as directed. In event of radio failure see 11-6.							MSA LON VOR		
Alt Set: hPa		Rwy Elev: 3 hPa		Trans level: By ATC		Trans alt: 6000'			



LOC 2 (GS out)	IRR DME	1.0	2.0	3.0	4.0	5.0	6.0	7.0
	ALTITUDE	450'	770'	1090'	1410'	1730'	2050'	2370'



Gnd speed-Kts	70	90	100	120	140	160		1580' D0.0 IRR 316 [^] whichever later
GS	3.00 [^]	372	478	531	637	849		
MAP at D0.5 IRR								

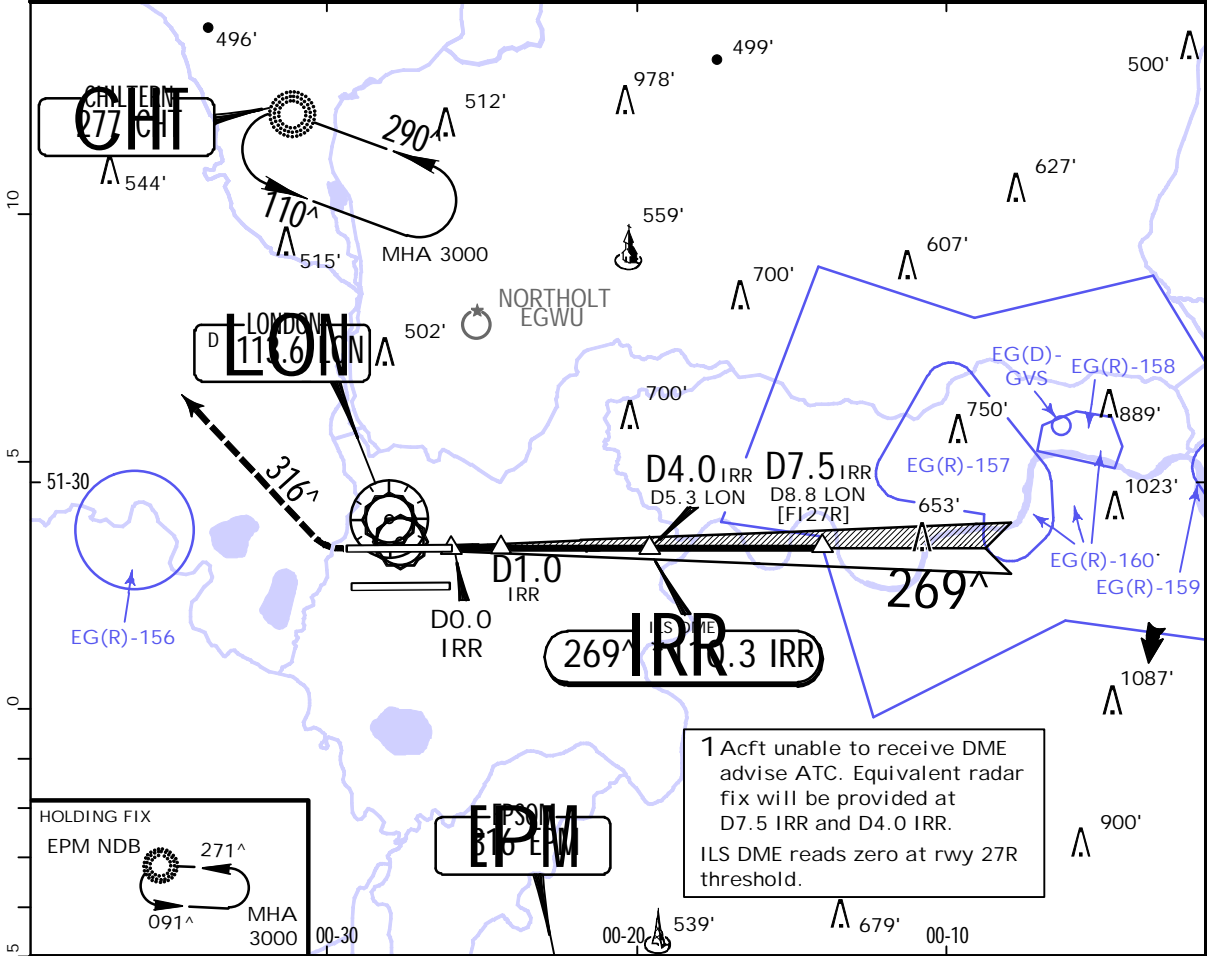
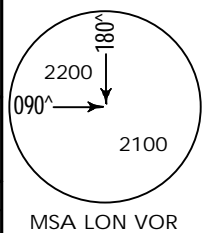
PANS OPS	Standard ILS STRAIGHT-IN LANDING RWY 27R			LOC (GS out) CDFA			CIRCLE-TO-LAND		
	DA(H) 278' (200')			DA/MDA(H) 640' (562')					
	FULL	IDZ or CL out	ALS out	ALS out			Max Kts	MDA(H)	VIS
	A			RVR 1500m			100	770' (687')	1500m
	B	RVR 550m	RVR 550m 1	RVR 1200m				135	770' (687')
C				RVR 1900m	RVR 2400m	180	870' (787')	2400m	
D						205	870' (787')	3600m	

1 RVR 750m when a Flight Director or Autopilot or HUD to DA is not used.
 CHANGES: Boundary EG(R)-156 added. | JEPPESEN, 1998, 2022. ALL RIGHTS RESERVED.

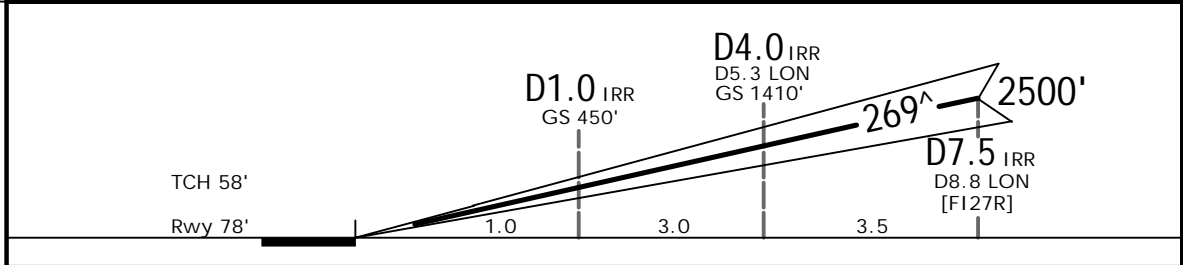
EGLL/LHR
HEATHROW

JEPPESSEN LONDON, UK
21 JAN 22 .Eff. 27 Jan. (11-4A) 1 CAT II/III ILS DME Rwy 27R

*D-ATIS 113.750 117.0 128.080			HEATHROW Director (APP) 119.730		HEATHROW Tower 118.505 118.705		*Ground 121.905 121.705 121.855		
LOC IRR *110.3		Final Apch Crs 269[^]		D7.5 IRR 2500' (2422')		CAT IIIB, IIIA & II ILS Refer to Minimums		Apt Elev 83' Rwy 78'	
MISSED APCH: Climb STRAIGHT AHEAD when passing 1580' or D0.0 IRR, whichever is later, climbing turn RIGHT on track 316 [^] to 3000', then as directed. In event of radio failure see 11-6.									
Alt Set: hPa			Rwy Elev: 3 hPa		Trans level: By ATC			Trans alt: 6000'	
Special Aircrew & Acft Certification Required.									



1 Acft unable to receive DME advise ATC. Equivalent radar fix will be provided at D7.5 IRR and D4.0 IRR. ILS DME reads zero at rwy 27R threshold.



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI	1580' D0.0 IRR 316 [^] whichever later ↑ RT
GS	3.00 [^]	372	478	531	637	743		

PANS OPS	Standard. CAT IIIB ILS	STRAIGHT-IN LANDING RWY 27R CAT IIIA ILS	CAT II ILS
		DH 50'	RA 102' DA(H) 178' (100')
	RVR 75m	RVR 200m	RVR 300m

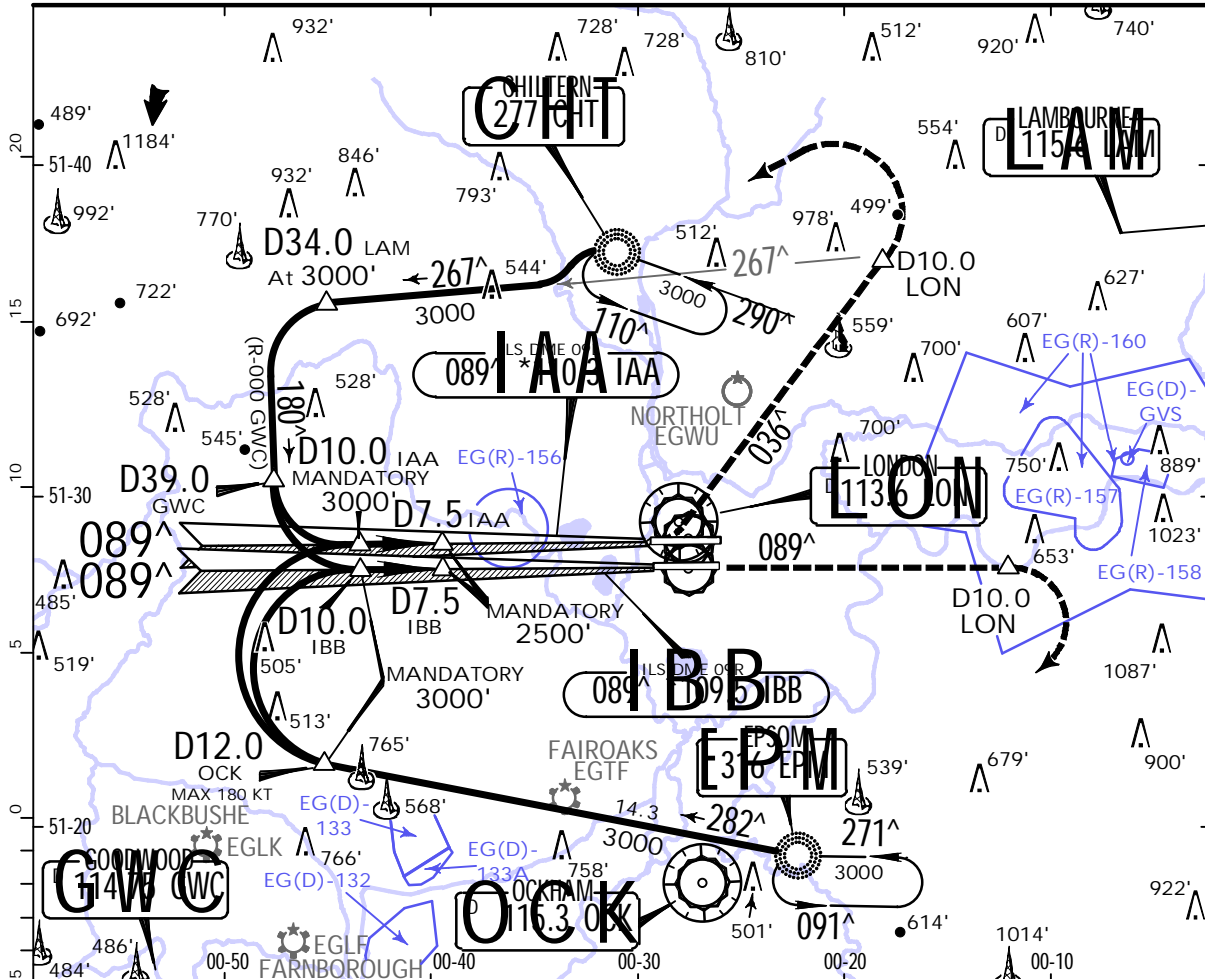
EGLL/LHR
Apt Elev 83'

JEPPESSEN
21 JAN 22 (11-5). Eff. 27. Jan.

LONDON, UK
HEATHROW

PROCEDURES TO BE USED IN THE EVENT OF RADIO FAILURE FOLLOWING A MISSED APPROACH

RWY 09L/R



Holdings, initial and intermediate approach valid up to 220 KT.

VIA EPSOM NDB

MISSED APCH: In event of radio failure, on passing D10.0 LON turn RIGHT to EPM NDB at 3000', thence:

Rwy 09L: After holding leave EPM NDB on track 282° maintaining 3000'. At D12.0 OCK (MAX 180 KT) turn RIGHT to intercept ILS localizer course to be established at D10.0 IAA. After D10.0 IAA descend to 2500'. Continue approach as charted for rwy 09L.

Rwy 09R: After holding leave EPM NDB on track 282° maintaining 3000'. At D12.0 OCK (MAX 180 KT) turn RIGHT to intercept ILS localizer course to be established at D10.0 IBB. After D10.0 IBB descend to 2500'. Continue approach as charted for rwy 09R.

VIA CHILTERN NDB

MISSED APCH: In event of radio failure, on passing D10.0 LON proceed to CHT NDB at 3000', thence:

Rwy 09L: After holding leave CHT NDB on R-267 LAM maintaining 3000'. At D34.0 LAM turn LEFT to 180° (R-000 GWC). At D39.0 GWC turn LEFT to intercept ILS localizer course to be established at D10.0 IAA. After D10.0 IAA descend to 2500'. Continue approach as charted for rwy 09L.

Rwy 09R: After holding leave CHT NDB on R-267 LAM maintaining 3000'. At D34.0 LAM turn LEFT to 180° (R-000 GWC). At D39.0 GWC turn LEFT to intercept ILS localizer course to be established at D10.0 IBB. After D10.0 IBB descend to 2500'. Continue approach as charted for rwy 09R.

PANS OPS

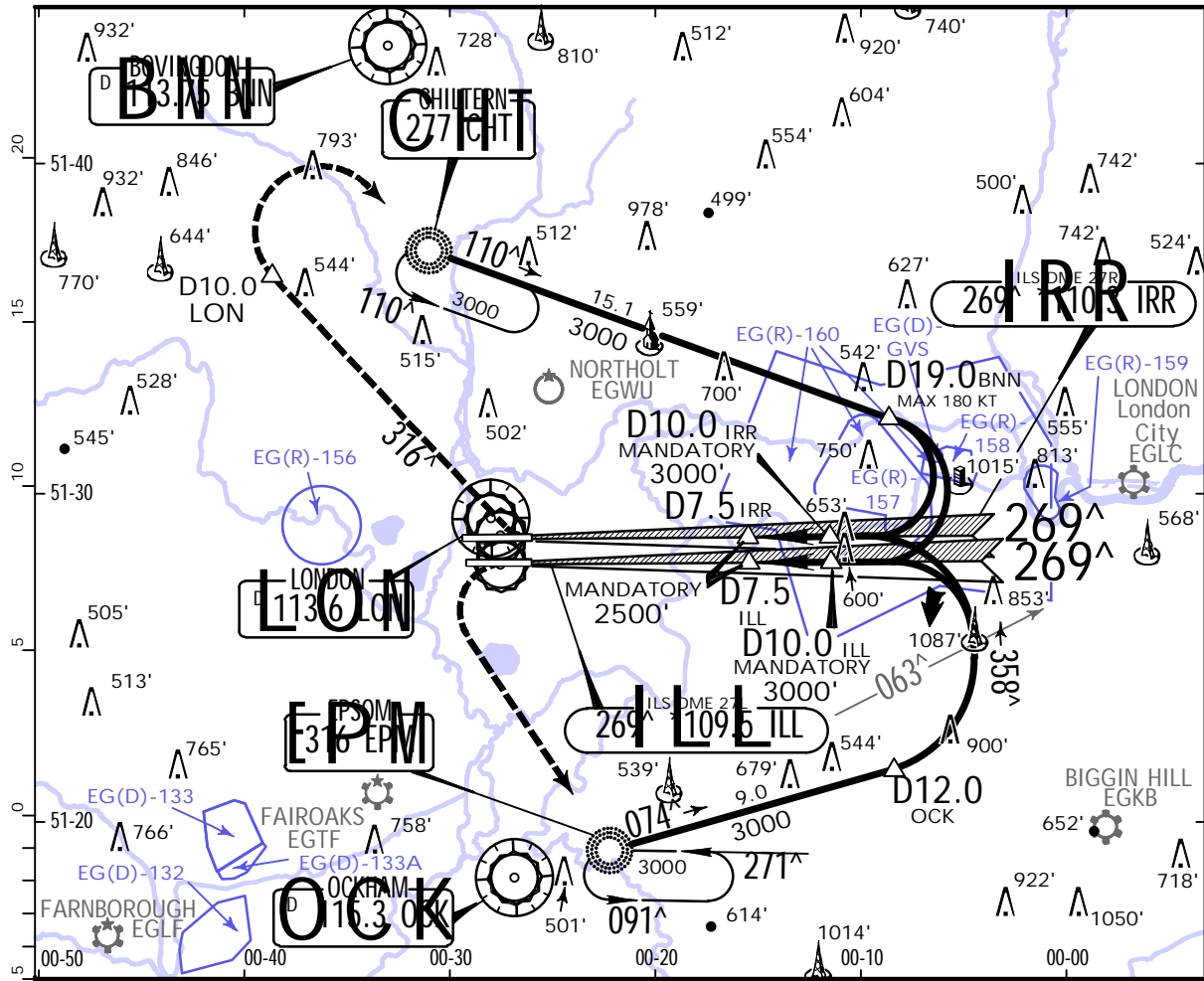
EGLL/LHR
Apt Elev 83'

JEPPESEN
21 JAN 22 (11-6) Eff. 27 Jan.

LONDON, UK
HEATHROW

PROCEDURES TO BE USED IN THE EVENT OF RADIO FAILURE FOLLOWING A MISSED APPROACH

RWY 27L/R



Holdings, initial and intermediate approach valid up to 220 KT.

VIA EPSOM NDB

MISSED APCH: In event of radio failure, on reaching 3000' proceed to EPM NDB at 3000', thence:

Rwy 27L: After holding leave EPM NDB on R-074 OCK maintaining 3000'. At D12.0 OCK turn LEFT onto track 358°. At R-063 OCK turn LEFT to intercept ILS localizer to be established at D10.0 ILL. After D10.0 ILL descend to 2500'. Continue approach as charted for rwy 27L.

Rwy 27R: After holding leave EPM NDB on R-074 OCK maintaining 3000'. At D12.0 OCK turn LEFT onto track 358°. At R-063 OCK turn LEFT to intercept ILS localizer to be established at D10.0 IRR. After D10.0 IRR descend to 2500'. Continue approach as charted for rwy 27R.

VIA CHILTERN NDB

MISSED APCH: In event of radio failure, on passing D10.0 LON turn RIGHT to CHT NDB at 3000', thence:

Rwy 27L: After holding leave CHT NDB on track 110° maintaining 3000'. At D19.0 BNN (MAX 180 KT) turn RIGHT to intercept ILS localizer to be established at D10.0 ILL. After D10.0 ILL descend to 2500'. Continue approach as charted for rwy 27L.

Rwy 27R: After holding leave CHT NDB on track 110° maintaining 3000'. At D19.0 BNN (MAX 180 KT) turn RIGHT to intercept ILS localizer to be established at D10.0 IRR. After D10.0 IRR descend to 2500'. Continue approach as charted for rwy 27R.

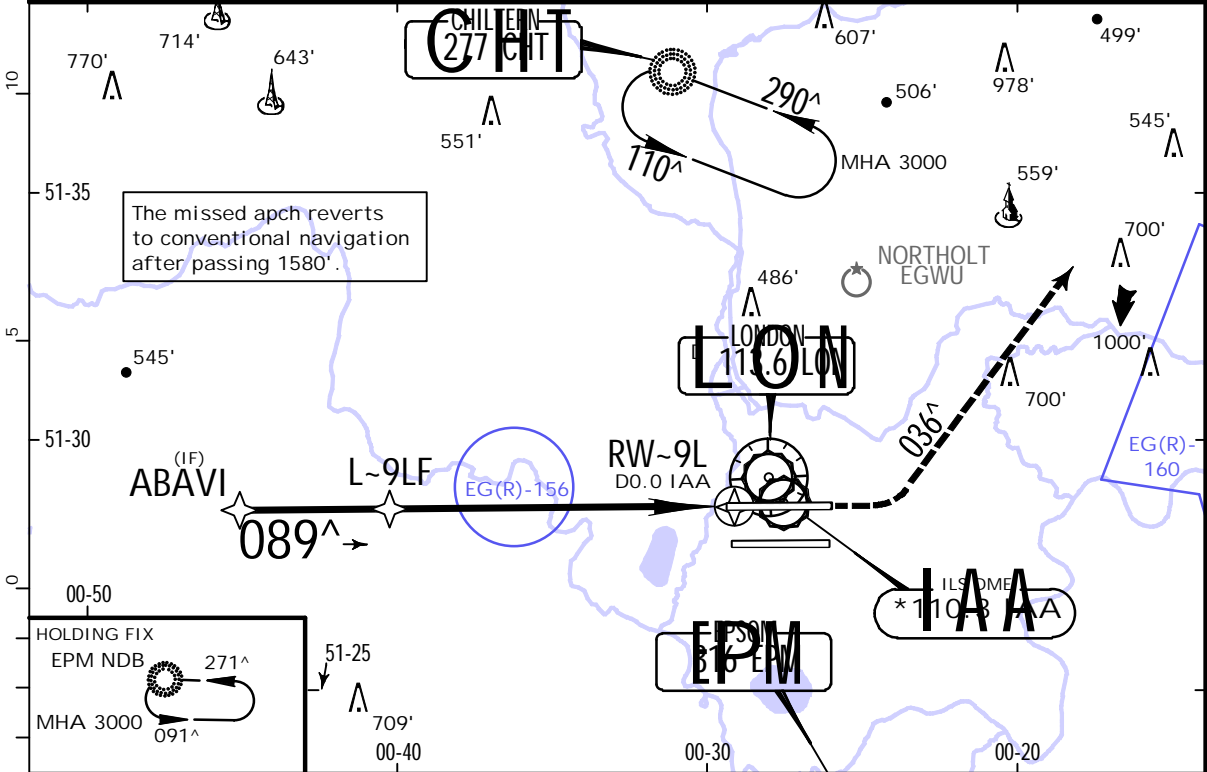
PANS OPS

EGLL/LHR HEATHROW

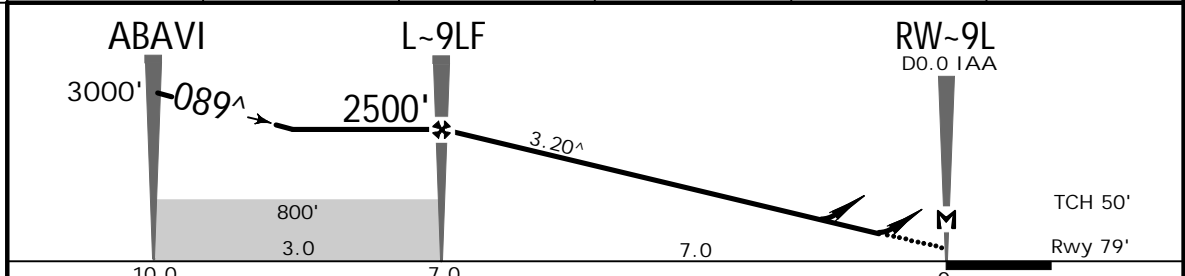
JEPPesen
21 JAN 22 (12-1). Eff. 27. Jan.

LONDON, UK RNP Rwy 09L

*D-ATIS 113.750 117.0 128.080			HEATHROW Director (APP) 119.730		HEATHROW Tower 118.505 118.705		*Ground 121.905 121.705 121.855		
RNAV	Final Apch Crs 089[^]	L~9LF 2500' (2421')	LNAV/VNAV DA(H) Refer to Minimums		Apt Elev 83' Rwy 79'	2300 MSA ARP			
MISSED APCH: Climb to 3000'. STRAIGHT AHEAD until passing 1580' or DO.0 IAA inbound, whichever is later, then turn LEFT onto 036 [^] and as directed. In event of radio failure see 11-5.									
RNP Apch	Alt Set: hPa	Rwy Elev: 3 hPa	Trans level: By ATC			Trans alt: 6000'			
1. Pilots should request RNP approach on first contact with Director. 2. Acft will normally be radar vectored from holding/IAA. 3. ILS DME reads zero at rwy 09L thresh. 4. Minimum temperature -10°C. 5. PAPI angle is 3.00 [^] .									



DIST to RW-9L	6.0	5.0	4.0	3.0	2.0
ALTITUDE	2170'	1830'	1490'	1150'	810'



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI 3000'
Glide Path Angle	3.20 [^]	396	510	566	679	906	
MAP at RW-9L/DO.0 IAA							

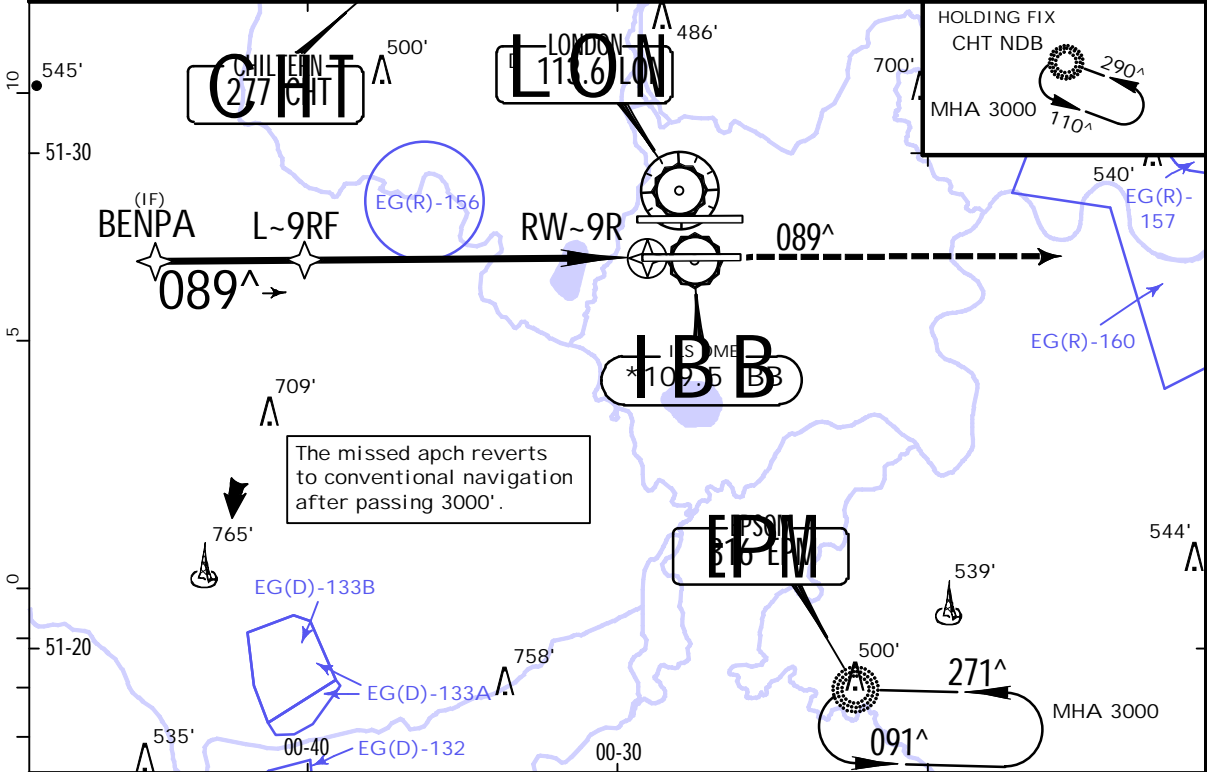
.Standard.		STRAIGHT-IN LANDING RWY 09L				CIRCLE-TO-LAND	
LNAV/VNAV		LNAV		CDFA		Max Kts	
DA(H) A: 450' (371') C: 470' (391') B: 460' (381') D: 540' (461')		DA/MDA(H) 620' (541')				MDA(H) VIS	
ALS out		ALS out					
A	RVR 1000m	RVR 1500m		RVR 1500m		100	770' (687') 1500m
B	RVR 1100m	RVR 1500m		RVR 1500m		135	770' (687') 1600m
C	RVR 1100m	RVR 1800m		RVR 1800m		180	870' (787') 2400m
D	RVR 1500m	RVR 2200m		RVR 1800m RVR 2400m		205	870' (787') 3600m

EGLL/LHR
HEATHROW

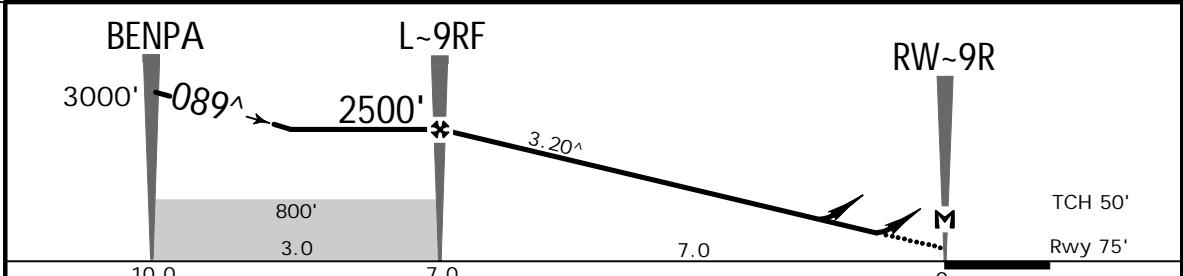
JEPPESEN
21 JAN 22 (12-2). Eff. 27. Jan.

LONDON, UK
RNP Rwy 09R

*D-ATIS 113.750 117.0 128.080		HEATHROW Director (APP) 119.730	HEATHROW Tower 118.505 118.705	*Ground 121.905 121.705 121.855	
RNAV	Final Apch Crs 089[^]	L~9RF 2500' (2425')	LNAV/VNAV DA(H) Refer to Minimums	Apt Elev 83' Rwy 75'	2300 MSA ARP
MISSED APCH: Climb STRAIGHT AHEAD to 3000' and as directed. In event of radio failure see 11-5.					
RNP Apch	Alt Set: hPa	Rwy Elev: 3 hPa	Trans level: By ATC	Trans alt: 6000'	
1. Pilots should request RNP approach on first contact with Director. 2. Acft will normally be radar vectored from holding/IAF. 3. ILS DME reads zero at rwy 09R thresh. 4. Minimum temperature -10°C. 5. PAPI angle is 3.00°.					



DIST to RW-9R	6.0	5.0	4.0	3.0	2.0
ALTITUDE	2160'	1820'	1480'	1140'	800'



Gnd speed-Kts	70	90	100	120	140	160	HI ALS-II PAPI 3000'
Glide Path Angle	3.20 [^]	396	510	566	679	906	
MAP at RW-9R							

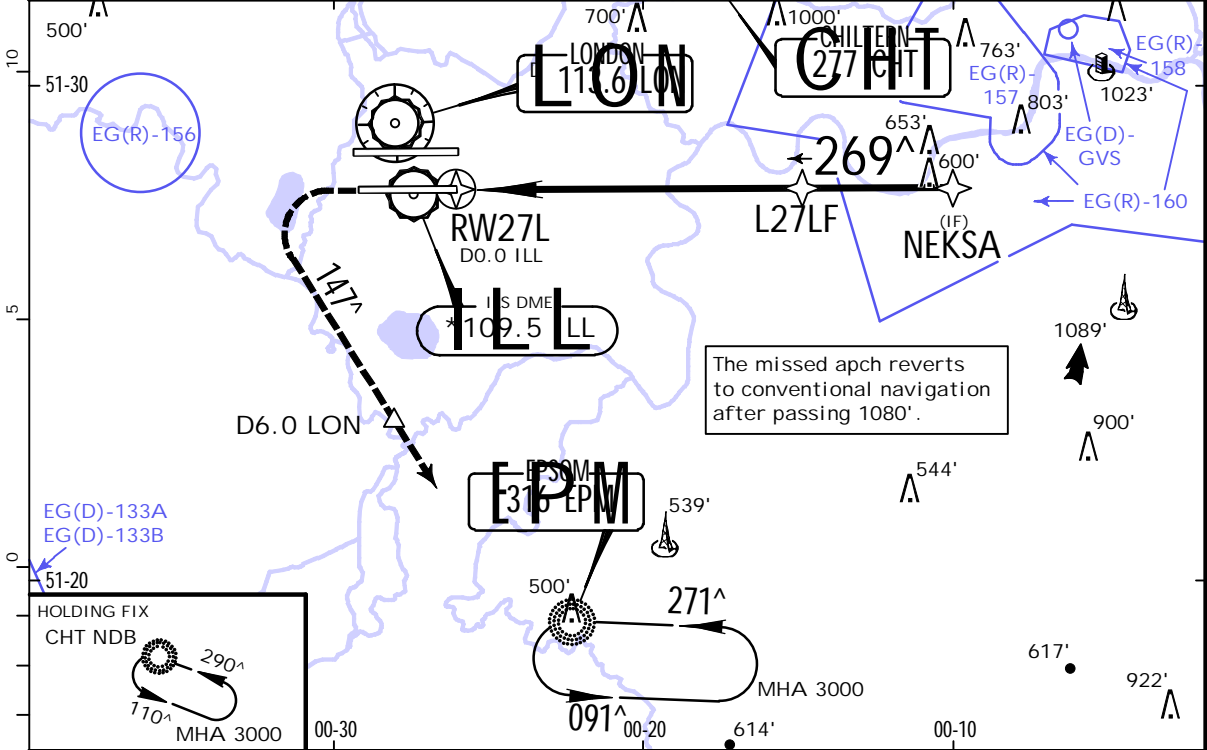
PANS OPS	.Standard.				STRAIGHT-IN LANDING RWY 09R		CIRCLE-TO-LAND	
	LNAV/VNAV		LNAV					
	DA(H) A: 400' (325') C: 430' (355') B: 410' (335') D: 540' (465')		CDFA		DA/MDA(H) 620' (545')			
	ALS out		ALS out					
	A	RVR 800m	RVR 1500m	RVR 1500m		Max Kts	MDA(H)	VIS
B					100	770' (687')	1500m	
C	RVR 900m	RVR 1600m			135	770' (687')	1600m	
D	RVR 1500m	RVR 2200m	RVR 1800m	RVR 2400m	180	870' (787')	2400m	
					205	870' (787')	3600m	

EGLL/LHR
HEATHROW

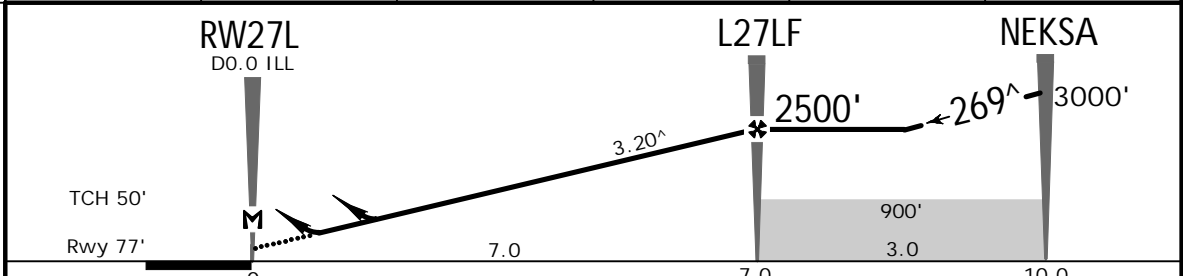
JEPESEN
21 JAN 22 (12-3) .Eff.27.Jan.

LONDON, UK
RNP Rwy 27L

*D-ATIS 113.750 117.0 128.080		HEATHROW Director (APP) 119.730	HEATHROW Tower 118.505 118.705	*Ground 121.905 121.705 121.855	
RNAV	Final Apch Crs 269[^]	L27LF 2500' (2423')	LNAV/VNAV DA(H) Refer to Minimums	Apt Elev 83' Rwy 77'	2300 MSA ARP
MISSED APCH: Climb to 2000'. STRAIGHT AHEAD until passing 1080' or D0.0 ILL inbound, whichever is later, then turn LEFT onto 147'. When passing D6.0 LON climb to 3000' without delay and as directed. In event of radio failure see 11-6.					
RNP Apch	Alt Set: hPa	Rwy Elev: 3 hPa	Trans level: By ATC	Trans alt: 6000'	
1. Pilots should request RNP approach on first contact with Director. 2. Acft will normally be radar vectored from holding/IAF. 3. Pilots should not expect descent clearance below 4000' until 13 NM from touchdown. 4. ILS DME reads zero at rwy 27L threshold. 5. Minimum temperature -10°C. 6. PAPI angle is 3.00 [^] .					



DIST to RW27L	2.0	3.0	4.0	5.0	6.0
ALTITUDE	810'	1150'	1490'	1830'	2170'



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI 2000'
Glide Path Angle 3.20 [^]	396	510	566	679	793	906	
MAP at RW27L/D0.0 ILL							

PANS OPS	.Standard. STRAIGHT-IN LANDING RWY 27L				CIRCLE-TO-LAND			
	LNAV/VNAV		LNAV		Max Kts	MDA(H)	VIS	
	DA(H) A: 380' (303') C: 400' (323') B: 390' (313') D: 440' (363')	CDFA DA/MDA(H) 640' (563')		ALS out				ALS out
	A	RVR 750m 1	RVR 1400m	RVR 1500m		100	770'(687')	1500m
	B	RVR 800m	RVR 1500m	RVR 1900m		135	770'(687')	1600m
C	RVR 1000m	RVR 1700m	RVR 2400m		180	870'(787')	2400m	
D	RVR 1000m	RVR 1700m	RVR 2400m		205	870'(787')	3600m	
1 With TDZ & CL & HUD: RVR 700m								

CHANGES: Airspace EG(R)-156 added.

EGLL/LHR
HEATHROW

JEPPESSEN
21 JAN 22 (12-4). Eff. 27. Jan.

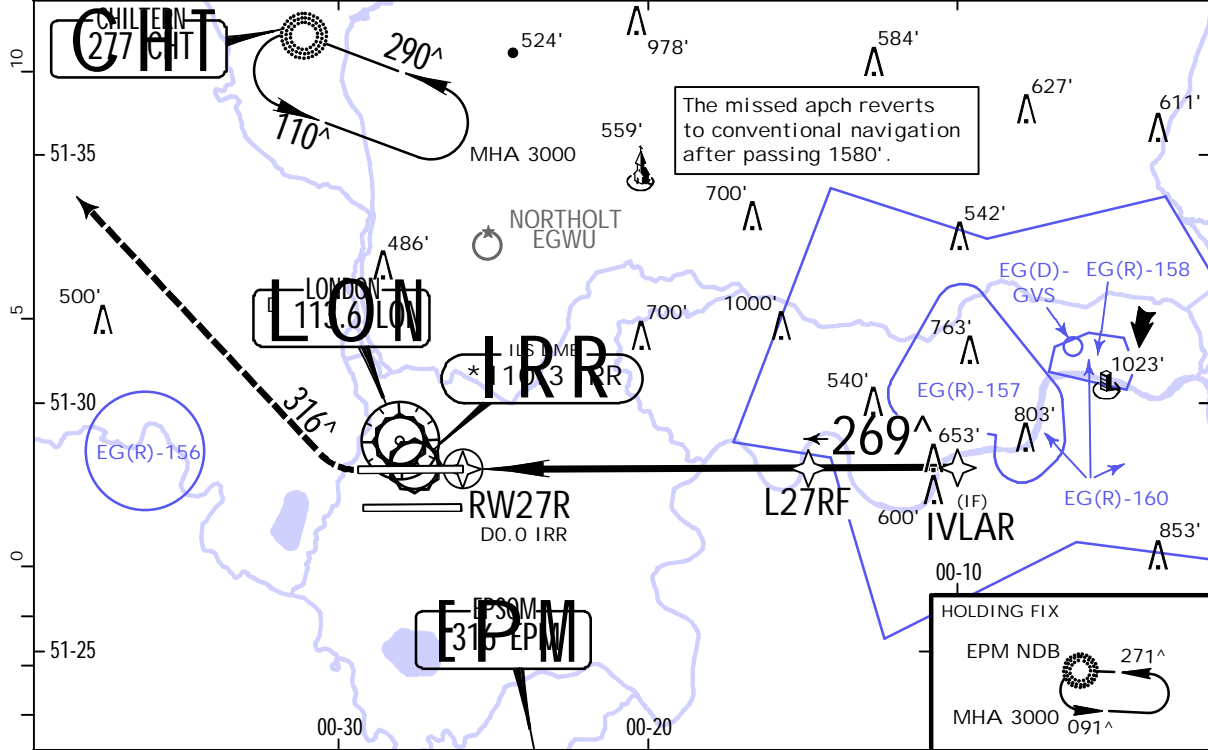
LONDON, UK
RNP Rwy 27R

*D-ATIS 113.750 117.0 128.080	HEATHROW Director (APP) 119.730	HEATHROW Tower 118.505 118.705	*Ground 121.905 121.705 121.855
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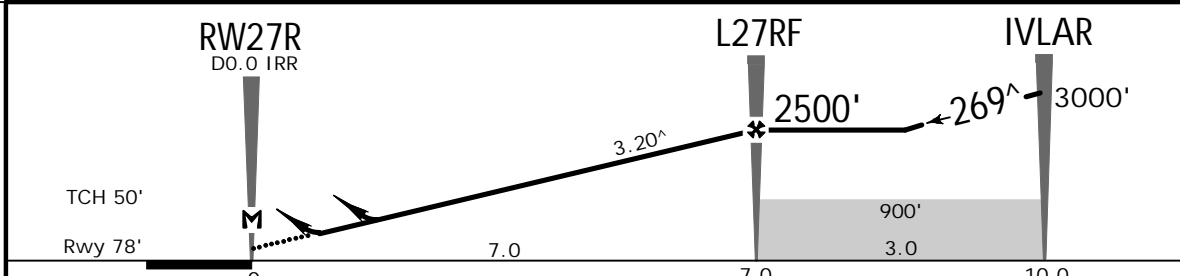
RNAV	Final Apch Crs 269[^]	L27RF 2500' (2422')	LNAV/VNAV DA(H) Refer to Minimums	Apt Elev 83' Rwy 78'	2300 MSA ARP
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MISSED APCH: Climb to 3000'. STRAIGHT AHEAD until passing 1580' or DO.0 IRR inbound, whichever is later, then turn RIGHT onto 316[^] and as directed.
In event of radio failure see 11-6.

RNP Apch | Alt Set: hPa | Rwy Elev: 3 hPa | Trans level: By ATC | Trans alt: 6000'
1. Pilots should request RNP approach on first contact with Director. 2. Acft will normally be radar vectored from holding/IAF. 3. Pilots should not expect descent clearance below 4000' until 13 NM from touchdown. 4. ILS DME reads zero at rwy 27R threshold. 5. Minimum temperature -10°C. 6. PAPI angle is 3.00[^].



DIST to RW27R	2.0	3.0	4.0	5.0	6.0
ALTITUDE	810'	1150'	1490'	1830'	2170'



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI	3000'
Glide Path Angle	3.20 [^]	396	510	566	679	906		
MAP at RW27R/DO.0 IRR								

PANS OPS	STRAIGHT-IN LANDING RWY 27R				CIRCLE-TO-LAND	
	LNAV/VNAV		LNAV		Max Kts	MDA(H) VIS
A	RVR 750m 1	RVR 1400m	RVR 1500m		100	770'(687') 1500m
B	RVR 800m	RVR 1500m	RVR 1900m		135	770'(687') 1600m
C	RVR 1000m	RVR 1700m	RVR 2400m		180	870'(787') 2400m
D	RVR 1000m	RVR 1700m	RVR 2400m		205	870'(787') 3600m

1 With TDZ & CL & HUD: RVR 700m

Chart changes since cycle 06-2023

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT PROCEDURE IDENT

INDEX

REV DATE

EFF DATE

LONDON, (HEATHROW - EGLL)

TERMINAL CHART CHANGE NOTICES

Chart Change Notices for Airport EGLL

Type: Terminal

Effectivity: Temporary

Begin Date: 20230224

End Date: 20230731

Taxiway closure due to construction works (based on SUP 006-23). Refer to temp chart 10-8 and latest NOTAMs.

Type: Terminal

Effectivity: Temporary

Begin Date: Immediately

End Date: 20230922

There may be observations of VOR DME 'LON' bearing fluctuations within the 005-045 degrees mag sector radials from the London VOR DME station. Based on SUP 082-22.

Type: Terminal

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

All non 8.33 KHz equipped acft should contact ATC on published number to obtain ATC clearance and weather information.

Chart Change Notices for Country GBR

Type: Gen Tmnl

Effectivity: Permanent

Begin Date: Immediately

End Date: No end date

The following Take-off minima according to Commission Regulation No. 965/2012 (EASA Air Operations Regulation) are applicable for Low Visibility Take-off Operations within the UK FIR for CAT ABCD aircraft: 1. With RL and RCLM during day or with RL or CL during night: RVR 300m 2. With RL and CL: RVR 200m 3. With RL and CL and TDZ, MID and RO RVR: RVR 150m 4. With HIRL and CL and TDZ, MID and RO RVR: RVR 125m 5. On CAT III RWYs with approved guidance system or HUD/HUDLS: RVR 75m

Type: Gen Tmnl

Effectivity: Permanent

Begin Date: Immediately

End Date: No end date

(STARs) Do not commence descent without ATC clearance. STAR level restrictions are for descent planning purposes only. Based on SUP 045-22.