

Flying in to North Weald Airfield and the Stansted Transponder Mandatory Zone (TMZ)

Pilot's Self Briefing Pack



North Weald Airfield Layout & Aircraft Parking

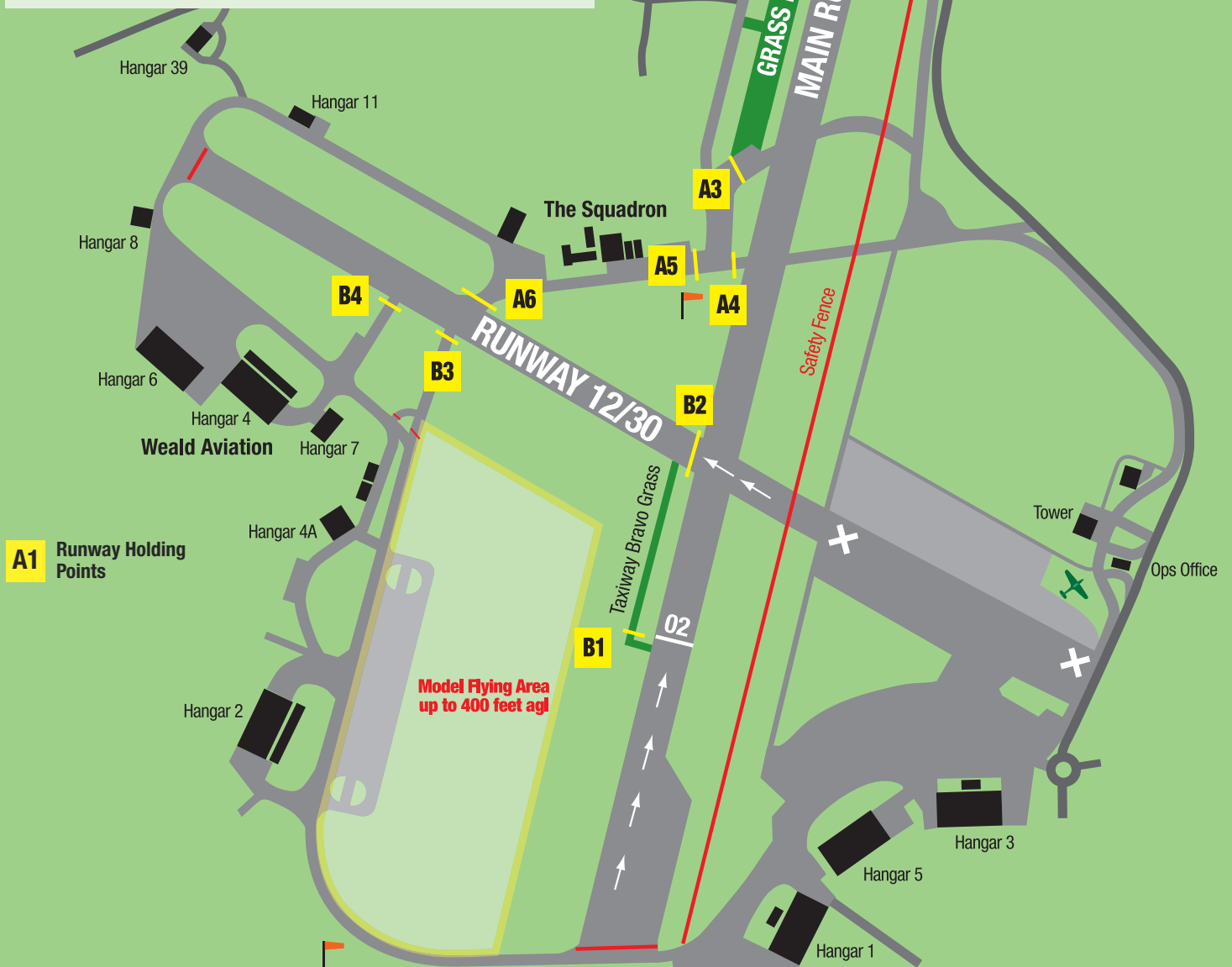
GA Circuit Height 800 feet QFE / 1100 feet QNH

Jet Circuit Height 1000 feet QFE / 1300 feet QNH

Airfield Elevation: 321 feet amsl

Declared Runway Distances:

Runway	TODA (metres)	LDA (metres)
02 Main Full Length	1881 x 45	1548 (Displaced)
02 Main B1 Hold	1548	1548
02 Main B2 Hold	1290	1290
02 Main A4 Hold	1056	1056
02 Main A3 Hold	918	918
02 Grass	940 x 33	940
20 Main Full Length	1881 x 45	1724 (Displaced)
20 Main A2 Hold	1433	1433
20 Main A3 Hold	963	963
20 Main A4 Hold	825	825
20 Main B2 Hold	591	591
20 Grass Full Length	940 x 33	870 (Displaced)
20 Grass A1 Hold	870	870
20 Grass A2 Hold	460	460
12	827 x 45	827
30	827 x 45	689 (Displaced)



Flying into North Weald

North Weald Airfield has unlicensed hard and grass runways, and excellent travel links with central London via the Central Line from Epping and the M11 motorway.

Before making a flying in to us, please take the time to read through our local procedures to ensure your visit is a happy and safe one.

North Weald operations

Operational hours: The Airfield is open from 08.30 – 19.00 local, or sunset + 30 minutes during the Winter operational cycle, whichever is the earlier. Please phone Operations on 01992 564200 for details.

Radio communications: The air/ground frequency is North Weald Radio 123.525. The service will at times be upgraded to a Flight Information Service, call-sign North Weald Information, which will provide a basic service.

Fire cover: The Airfield provides Cat 1 fire cover during operational hours. This can be upgraded to Cat 3 on remission. 48 hours notice is required.

Joining Procedures

All visiting aircraft must contact The Tower, The Squadron or the hangar they are visiting for PPR prior to arrival at North Weald. In addition, all pilots should be aware of the following requirements:

- Only aircraft fitted with serviceable radios and in effective contact with 'North Weald Radio' are permitted to use the Airfield.
- All pilots are reminded of the proximity of the Stansted TMZ in relation to North Weald Airfield, and must adhere to the procedures laid out in the Letter of Agreement.
- Pilots may not communicate with North Weald Radio when outside the D.O.C of the station which is 10 nm and 3000 ft agl. Ref: ANO article 124.
- Pilots must use the active runway and follow the appropriate circuit direction, unless for exceptional reasons permission has been given in advance by the duty Air/Ground Operator or there is a safety/emergency issue. Pilots with permission to use a runway other than the active must give way to traffic using the active runway.

- Joining traffic is requested to avoid over flying noise sensitive areas particularly North Weald Village, and airfield events. *(See map on Page 5).*
- Run and breaks are permitted when the circuit is clear of other aircraft, and in accordance with rule 5.3.f.
- Pilots are reminded of the proximity of controlled airspace overhead at 1500 ft QNH and to the north the airfield by approximately 1½ nm.
- Pilots are reminded that North Weald Airfield is situated close to airfields at Willingale, Stapleford and Hunsdon.
- A rule 14 exemption is in place at North Weald, and is renewed annually by The Squadron. With this in place formation landings are permitted providing the criteria as laid out in the exemption are met. Copies are held at the Control Tower and The Squadron club house.
- All pilots must book in/out at the nominated Reporting Point within The Squadron clubhouse, the hangar they are visiting, or with the Control Tower.
- Simultaneous use of multiple runways is not permitted, except in the event of formation landings under the exemption to rule 14.

Departures

Prior to departure, pilots must book out either at the Squadron or the Control Tower and either refer to the self-briefing board maintained at The Squadron, or receive a briefing from the Control Tower or the hangar visited. All departures will be subject to the following criteria;

- Only aircraft fitted with serviceable radios and in effective contact with 'North Weald Radio' shall be permitted to depart from the airfield, with the exception of aircraft returning to their home base following radio/communication failure, and at the discretion of The Control Tower.
- All pilots are reminded of the proximity of the Stansted TMZ in relation to North Weald Airfield, and must adhere to the procedures laid out in the Letter of Agreement.
- All departures shall be on the active runway, unless for exceptional reason permission has been given by the Control Tower, Duty Officer or General Airfield Manager.



- Departing aircraft shall continue ahead until outside the airfield boundary to avoid conflict with events and activities on site.
- Pilots are reminded of the proximity of controlled airspace overhead and to the north of the airfield, and that the site is close to airfields at Willingale, Stapleford and Hunsdon.

Noise Abatement

In order to limit noise impact on the local environment, the following restrictions will apply;

- Pilots should avoid flying over any villages or housing in the vicinity of the airfield. *(See map on Page 5).*
- Jet circuit flying is restricted to two sessions of three circuits, these sessions are to take place between 1000 – 1300 and 1300 – 1700. Sessions must be pre-booked with the Control Tower.
- GA circuits are to be restricted to using runway 02/20 only. The number of circuits permitted will be made in agreement with The Squadron or relevant hangar, and be at the discretion of the Tower. Runway 12/30 is only to be used in exceptional circumstances and with permission from the Control Tower. Visiting traffic requesting circuits must land and obtain permission before commencing a circuit detail.
- No engines will be started up prior to 0830 local.

Microlight Aircraft

Microlight traffic will adopt conventional powered aircraft joining and circuit procedures unless

otherwise agreed with the Control Tower. The exception to this procedure is Saxon Microlights, who are based at North Weald and conduct ab-initio training.

Aircraft Weight Limits

The runways at North Weald Airfield are of design and construction which has a low weight-bearing capacity.

Pavement Classification Numbers (PCN)

The PCN rating for runway 02 is 7.

The PCN rating for runway 20 is 9.

Only aircraft with an Aircraft Classification Number (ACN) equal to or less than the appropriate runway PCN are permitted to use the site without prior notification and special approval.

Fuel, Parking and Maintenance

Fuel: Avgas 100LL, UL 91 and Jet A1 are available from The Squadron.

Jet A1 and 100LL is also available from Weald Aviation.

Parking/Hangarage: Facilities may be available at the Airfield via The Squadron, Weald Aviation or other hangars. Telephone for details.

Maintenance: The Squadron and Weald Aviation provide a maintenance facility – contact the relevant hangar for further information.

Noise Abatement – areas to avoid overflying





Transponder Mandatory Zone (TMZ) Briefing

This briefing is for aircraft operating in/out of North Weald Airfield.

- North Weald Airfield lies within the Stansted TMZ which extends from the surface to 1,500 ft above mean sea level.
- Aircraft operating within the TMZ require a functioning transponder with Mode S, although North Weald has been allocated airspace (Area of Operation), which is exempt from the rules of the TMZ.
- Non-radio traffic is not accepted at North Weald Airfield, with the exception of home based aircraft returning to base.
- Are you transponder equipped with Mode S? (Yes/No)

Inbound traffic (Transponder equipped with Mode S)

- Equipped aircraft may access the Stansted TMZ without ATC approval although you are strongly recommended to call Farnborough Radar 132.800 or make use of the Stansted/Luton Monitoring Code (0013).

- When 5nms or visual from North Weald call North Weald Radio on 123.525 and squawk 7010 with Mode S.



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Inbound traffic (No transponder or no Mode S)

- Non-equipped aircraft may access the Stansted TMZ via the North Weald Area of Operation. The area consists of a circle of 2nms from the airfield and fillet through the Epping VRP.
- When 5nms or visual from North Weald call North Weald Radio on 123.525 and squawk 7010, if equipped.



- Prior to entry into the zone, non-equipped aircraft may request access to the TMZ, outside the North Weald Area subject to specific ATC approval. This approval may be obtained from Farnborough Radar on frequency 132.800 during their hours of operation (0800-2000 Winter (Summer 1 hour earlier) or from Essex Radar on frequency 120.625, at other times.
- Remember, aircraft not communicating with either Farnborough Radar or Essex Radar must remain outside the TMZ and if arriving from the North or West, route via the Epping VRP.

Outbound traffic (Transponder equipped with Mode S)

- Call North Weald Radio on 123.525 and squawk 7010 with Mode C while in contact.
- Equipped aircraft may depart through the Stansted TMZ without ATC approval although you are strongly recommended to call Farnborough Radar 132.800 or make use of the Stansted/Luton Monitoring Code (0013).

Outbound traffic (No transponder or no Mode S)

- Call North Weald Radio on 123.525 and squawk 7010, if equipped, while in contact.
- Non-equipped aircraft may depart North Weald via the North Weald Area of Operation. The area

consists of a circle of 2nms from the airfield and fillet through the Epping VRP.

- Prior to entry into the zone, non-equipped departing aircraft may request access to the TMZ, outside the North Weald Area subject to specific ATC approval. This approval may be obtained from Farnborough Radar on frequency 132.800 during their hours of operation (0800-2000 Winter (Summer 1 hour earlier) or from Essex Radar on frequency 120.625, at other times.
- Remember, aircraft not communicating with either Farnborough Radar or Essex Radar must remain outside the TMZ and if departing to the North or West, route via the Epping VRP.

Circuit Traffic

- Aircraft operating within the airfield circuit or inside the Area of Operation, and in 2-way communication with North Weald Radio will squawk 7010 (if transponder equipped).

Local Traffic

- Stapleford Airfield is close to the southern boundary of the North Weald Area of Operation. The Management at Stapleford currently instruct their pilots to fly east of the M11 whilst in the circuit. Pilots flying into North Weald via the Epping VRP should fly west of the M11 to ensure separation, and in any event maintain a good look out.



North Weald Airfield Ground Safety Briefing

Airside Rules

Welcome to the former Battle of Britain fighter station – RAF North Weald.

The Airfield, which is owned and operated by Epping Forest District Council, is an active aviation venue, so to ensure that your visit is a safe and enjoyable one you are required to adhere to the following rules:

- Hi-Viz Jackets must be worn at all times on the Apron and Manoeuvring areas.
- Watch out for taxiing aircraft.
- Aircraft have the right of way.
- Use of mobile phones around aircraft is prohibited.
- Keep a safe distance from turning props and moving aircraft. Remember that it can be difficult for pilots to see you from certain aircraft types.
- Report accidents/incidents to the Airfield Operations Team on 01992 564200. Contact Operations if you aren't sure.
- Please keep hold of any litter.

Driving Rules

Please be advised that vehicles operating and driving 'Airside' are not covered under normal vehicle insurance. Driving whilst Airside is strictly at the driver's own risk. Any damage caused will be covered

at the driver's expense. With this in mind, please adhere to the following rules:

- All vehicles operating on the Airfield **MUST** display **FLASHING HAZARD LIGHTS** or beacons.
- All traffic must remain on the perimeter road. Do not take what you think is a "short cut".
- Obey all signs and notices.
- **DO NOT ENTER RUNWAYS**, under any circumstances.
- Do not stop on the yellow hatched areas.
- The Airfield speed limit for vehicles is **20mph**.
- Vehicles must give way to aircraft at all times. Pull over and allow plenty of space for the aircraft to pass.
- Normal rules for the use of public roads apply.

Failure to adhere with these rules may result in you being requested to leave the Airfield.

Be aware that CCTV including number plate recognition cameras are in operation at all times for the purposes of security and public safety.

Please do not hesitate to contact a member of the Airfield Operations team at the Gate House if you have any queries or require further information.

Once you are on the Airfield you can contact the Operations Team on 01992 564200.