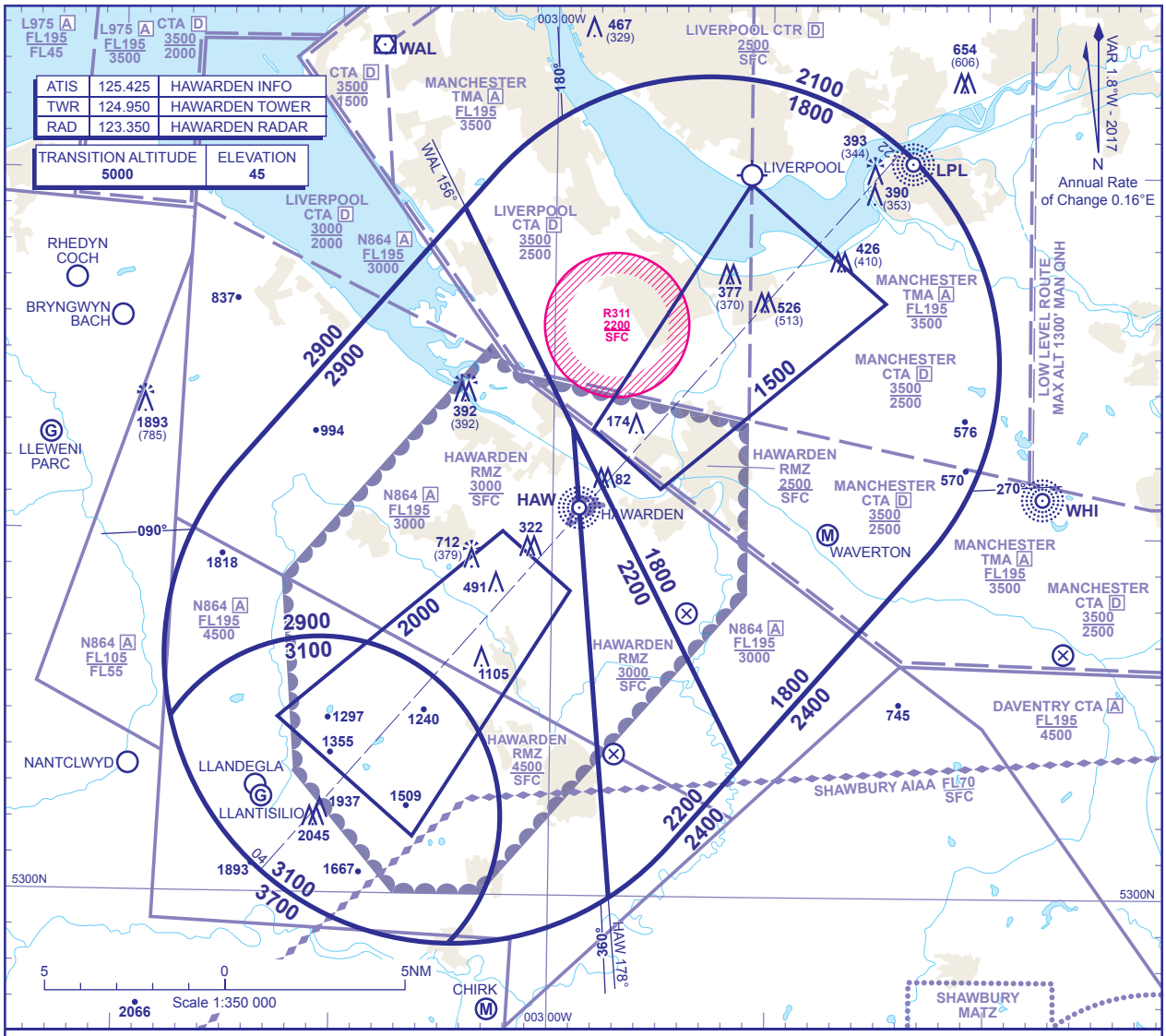
ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

BEARINGS, TRACKS AND RADIALS ARE MAGNETIC
ELEVATIONS IN FEET AMSL **1900**
HEIGHTS IN FEET AGL (785)

HAWARDEN



MINIMUM INITIAL ALTITUDE

Within the ATC Surveillance Minimum Altitude area the minimum initial altitude to be allocated by the approach surveillance controller is:

a) **1800** in the sector defined by the lateral limits; 531902N 0030414W - 531959N 0030250W thence clockwise by an arc of a circle radius 8NM centred on 531445N 0025246W to 530929N 0024245W - 530339N 0025113W - 531258N 0025906W - 531902N 0030414W.

b) **2200** in the sector defined by the lateral limits; 531258N 0025906W - 530339N 0025113W - 530123N 0025431W thence clockwise by an arc of a circle radius 8NM centred on 530637N 0030432W to 525957N 0025712W - 531258N 0025906W.

c) **2900** in the sector defined by the lateral limits; 531151N 0031435W - 531902N 0030414W - 531258N 0025906W - 525957N 0025712W thence clockwise by an arc of a circle radius 8NM centred on 530637N 0030432W to 525838N 0030434W thence anti-clockwise by an arc of a circle radius 5NM centred on 530205N 0031032W to 530450N 0031728W thence clockwise by an arc of a circle radius 8NM centred on 530637N 0030432W to 531151N 0031435W.

d) **3100** in the sector defined by the lateral limits; 530450N 0031728W thence clockwise by an arc of a circle radius 5NM centred on 530205N 0031032W to 525838N 0030434W thence clockwise by an arc of a circle radius 8NM centred on 530637N 0030432W to 530450N 0031728W.

OUTSIDE THE DESIGNATED APPROACH SURVEILLANCE MINIMUM ALTITUDE AREA

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

a) within 5NM of the aircraft*, and

b) within the sector 15NM ahead of and within 20° either side of the aircraft's track*.

*When the aircraft is within 15NM of the radar antennae, the 5NM in a) and the 15NM in b) may be reduced to 3NM and 10NM respectively.

LOSS OF COMMUNICATION PROCEDURES

Initial Approach

Continue visually or by means of an appropriate approved final approach aid. If not possible proceed at **2500**, or last assigned level if higher to **NDB(L) HAW†**.

Intermediate and Final Approach

Continue visually or by means of an appropriate final approach aid. If not possible follow the Missed Approach Procedure to **NDB(L) HAW†**.

† In all cases where the aircraft returns to the holding facility the procedure to be adopted is the Radio Failure Procedure detailed at ENR 1.1.3.

GENERAL INFORMATION

1. Levels shown are based on QNH.
2. Only significant obstacles and dominant spot heights are shown.
3. The minimum levels shown within the ATC Surveillance Minimum Altitude Area are in conformance with the Standard European Rules of the Air - SERA.5015.
4. Minimum Sector Altitudes are based on obstacles and spot heights within 25NM of the Aerodrome Reference Point.
5. Controlled airspace with a base in excess of **5000** or FL55, as appropriate, is not shown.
6. **This chart should only be used for the cross-checking of assigned altitudes whilst in receipt of a approach surveillance service.**
7. **When vectoring an aircraft within the Final Approach Vectoring Area descent clearance below the SMAA to the FAVA altitude may only be issued if the aircraft is either established on the final approach track or on an intercept of 40° or less, and in the case of instrument approaches other than SRA is cleared to intercept the final approach track.**

CHANGE (3/17): MAG VAR. HAWARDEN RADIO MANDATORY ZONE ADDED. OBSTACLES.

AERO INFO DATE 15 DEC 16