



22 June 2020

Planning reference: 20/01316/TEL56

Dear Matthew,

We have undertaken an assessment into the proposed installation for the proposed 5G Mast (ref. CWL045) on Skimmingdish Lane, Bicester – 459216E / 224155N.

An aviation impact assessment has been carried out on behalf of Bicester Motion and the findings of the are detailed on the attached report.

The aviation impact assessment concludes that the proposal would have a detrimental impact on existing and future aviation operations at Bicester Airfield.

Further to the aviation impact we have reviewed the completed 'supplementary information form' contained within the application and noticed that under the section School/College it stated that: 'No schools or colleges were considered to have a direct of functional relationship with the application site'.

We would like to query this assessment and to clarify if consideration was made to the followings existing schools / colleges located on the Bicester Heritage site in close proximity to the proposed mast.

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We would also like to clarify if consideration has been made to the now determined planning application reference: 20/00842/F'Variation of conditions 1 (approved plans) and 3 (use of buildings) of 20/00475/F – to allow the Change of Use of Building 140 to D1 (education) use at the New Technical Site'. This proposed educational building is within very close proximity to the mast and appropriate consideration must be given.

We also note that we consider the existing equipment to have a negative impact on the adjacent Bicester Heritage conservation area.

We trust that these points will be considered in your assessment of the application and would welcome further dialogue if necessary.

With kind regards

Sarah Jane Curtis

Property Director

Bicester Motion Limited



Bicester Motion Aviation Assessment

Aviation Impact Assessment of the Proposed 5G Mast (ref. CWL045) on Skimmingdish Lane, Bicester – 459216E / 224155N

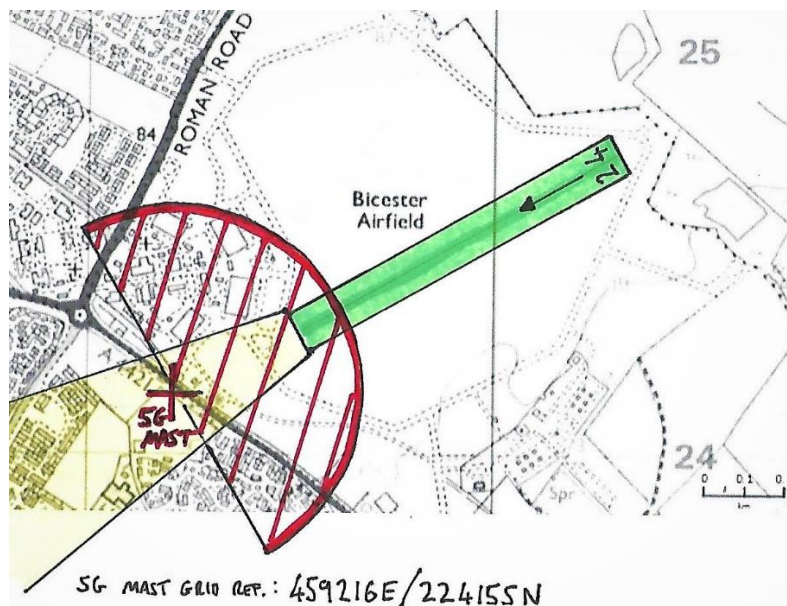
Context

This statement describes the impact of the proposed communications development (referred to as the '5G mast') on aviation activities at Bicester Airfield, as notified in the Aerodrome notice of the 15th of May 2020 from Mono Consultants Limited on behalf of MBNL (EE(UK) and H3G (UK)Ltd. The 5G mast is described as a 16 metre phase 8 pole with wrap around cabinet built around the base, 3no. new equipment cabinets and ancillary development thereto.

Based on the installation as described above, the 5G mast has been considered in the context of existing aviation operations at Bicester and the applicable regulatory requirements from the UK Civil Aviation Authority. Specifically, the safety regulatory group requirements detailed in CAP 168, The Licensing of Aerodromes.

Location of Mast shown with Aviation Infrastructure at Bicester Airfield

Runway 24 (direction 240°) is shown in green, no area of which, or any runway, should be inside the red hatched area originating from the proposed 5G mast site. The required obstacle free take-off climb surface (1:25 gradient) is shown in yellow.



Impact on Aviation Activities at Bicester

Chapter 4 of CAP 168 details the assessment and treatment of obstacles and considers the take-off climb surface, which is an inclined plane beyond the end of the take-off run available, that must remain obstacle free. Para 4.8 sets the applicable requirement for an obstacle free climb out based on a 1:25 (4%) aircraft climb gradient. Given an obstacle of 16m in height, this equates to 400m horizontally in addition to the application of the mandatory 60m runway end safety requirement, thus, the distance of the mast from a runway must be 460m.

The result would be shortening the existing Runway 24 (direction 240°) by at least 150m, and a reduction in potential useable flying area within the South Western corner of the flying area, inside the airfield perimeter track, of around 200m. This would have a detrimental impact on existing and future aviation operations at Bicester airfield.