



**Australian Government**  
**Civil Aviation Safety Authority**

STAKEHOLDER ENGAGEMENT GROUP

CASA Ref: G117/932

14 November 2017

Mr Michael Mason  
Executive Manager – Environmental Services  
Lane Cove Council  
PO Box 20  
LANE COVE NSW 1595

Email: [lcouncil@lanecove.nsw.gov.au](mailto:lcouncil@lanecove.nsw.gov.au)

Dear Mr Mason

Thank you for your letter of 30 October 2017 addressed to Mr Joe Hain at the Civil Aviation Safety Authority (CASA) requesting comment on the draft Local Environmental Plan (LEP) for the St Leonards South Residential Precinct, NSW.

CASA has reviewed the details provided and I am advised that the development is located to the east of the final approach path for runway 16L and 7NM north of Kingsford Smith aerodrome (KSA) with a proposed maximum building height of 65 m above ground level (i.e. approximately 137 m Australian Height Datum) in the vicinity of the prescribed airspace for KSA.

Due to the proximity of the site to the KSA, the penetration of the prescribed airspace and the potential for further increase in height by cranes used during construction, the planning proposal should be referred to Sydney Airport Corporation Limited (SACL) as the operator of KSA, and the procedure design organisation/s responsible for the maintenance of instrument flight procedures at the aerodrome. The proposal should also be reviewed by Airservices so that published Procedures for Air Navigation Services — Aircraft Operations (PANS-OPS) can be considered.

It is noted that the proposed development is in the vicinity of the Royal North Shore Hospital Helicopter Landing Site (HLS) and an input should be sought from Emergency Medical Service helicopter operators who use HLS.

The proponent should also consider the specific issues which are contained in the attachment as part of any planning and development.

For further information please contact Ms Slavica Despotovic, Aerodrome Inspector, by email [anaa\\_corro@casa.gov.au](mailto:anaa_corro@casa.gov.au) or call 131 757.

I trust this information is of assistance.

Yours sincerely

A handwritten signature in black ink, appearing to read 'CHutton'.

Carolyn Hutton  
Manager  
Government and International Relations Branch

## ATTACHMENT – CASA Recommendations

### Departure and Approach Procedures

Any proposed structures and cranes if used in construction should be referred to the procedure design organisation/s responsible for the maintenance of instrument flight procedures at the Aerodrome. Please be aware that there may be more than one organisation responsible for the procedures at the aerodrome.

To check which organisations are responsible you can view the procedures at: <http://www.airservicesaustralia.com/aip/aip.asp> then Departure and Approach Procedures. The logo on the bottom of each procedure plate indicates the design organisation responsible.

### Compliance with standards

Any aerodrome developments to aviation facilities associated with the planning proposal need to be consistent with the requirements of Civil Aviation Safety Regulations 1998 Part 139 and the associated Manual of Standards. Further details are available on the CASA website.

<https://www.casa.gov.au/standard-page/casr-part-139-aerodromes>

The National Airports Safeguarding Framework provides guidance on planning requirements for development that affects aviation operations. This includes building activity around airports that might penetrate operational airspace and/or affect navigational procedures for aircraft. The Framework consists of a set of guiding principles with six guidelines relating to aircraft noise, windshear and turbulence, wildlife strikes, wind turbines, lighting distractions and protected airspace. Further information is available from the following link:

[https://infrastructure.gov.au/aviation/environmental/airport\\_safeguarding/nasf/](https://infrastructure.gov.au/aviation/environmental/airport_safeguarding/nasf/)

### Aerodrome operations

Consultation should also be undertaken with the aerodromes operational management team to manage the following issues with developments adjacent to any aerodromes:

- Airport master planning: Council should ensure that the proposal does not affect any future development or upgrades planned by the aerodrome's operational management.
- Obstacle limitation surfaces (OLS) and Procedures for Air Navigation Services – Aircraft Operations: Prior to construction, the development and crane activity should be reviewed by the aerodrome's management team for the protection of these surfaces.
- Wildlife hazard management plan: Consideration needs to be given to the final heights and bird attractions of landscaping provisions which potentially may cause a risk to aviation activities.
- Obstacle lighting: The building and any construction cranes would need to be marked to comply with CASR 139 and associated MOS, paying particular attention to the quantity, type, luminescence and whether day and/or night marking is required.
- Lighting in the vicinity of an aerodrome: Any proposed non-aeronautical ground light in the vicinity of an aerodrome may by reason of its intensity, configuration or colour, cause confusion or glare to pilots and therefore might endanger the safety of aircraft.
- Gaseous plume: Exhaust plumes can originate from a number of sources and aviation authorities have established that an exhaust plume with a vertical gust in excess of 4.3 metres/second may cause damage to an aircraft airframe, or upset an aircraft when flying at low levels.
- Control of dust: During any construction the emission of airborne particulate may be generated which could impair the visual conditions.

## Christopher Pelcz

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**From:** LINDSAY Eamon [Eamon.Lindsay@infrastructure.gov.au]  
**Sent:** Wednesday, 22 November 2017 6:04 PM  
**Subject:** Referral of Planning Proposal: St Leonards South Residential Precinct - Ref: 63267/17 [SEC=UNCLASSIFIED]

**Follow Up Flag:** For Your Information  
**Flag Status:** Flagged

Good afternoon Lane Cove Council

Thank you for referring the planning proposal St Leonards South Residential Precinct - Ref: 63267/17 to the Department of Infrastructure and Regional Development for comment.

Given the proximity of Sydney Airport, construction of this building may require approval under the Airports (Protection of Airspace) Regulations 1996 (the Regulations), including assessment by the Civil Aviation Safety Authority and Airservices.

Sydney Airport would be able to confirm the specific details of the relevant airspace above the site.

We note the height of the structures are up to 65 metres AGL. We also note Council is consulting Sydney Airport about this development and that Sydney Airport is providing details to Council of the relevant airspace above the site.

We recommend the proponent of this development continue to advise Sydney Airport of the planned final height of the building as well as any associated crane activities to ensure that any approvals that may be required under the Regulations are obtained.

If Council requires further information, please contact Mr Craig Downsborough, Director - Airspace Protection on 02 6274 6828 or via email <[craig.downsborough@infrastructure.gov.au](mailto:craig.downsborough@infrastructure.gov.au)>.

With very best regards

### **Eamon Lindsay**

Team Member | Airspace Protection | Aviation and Airports

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