

From: Airport Developments [<mailto:Airport.Developments@AirservicesAustralia.com>]
Sent: Tuesday, 6 September 2016 12:29 PM
To: Dunn, Mel (Canberra) <Mel.Dunn@sgs.com>
Cc: 'aar.corro@casa.gov.au' <aar.corro@casa.gov.au>; Stephen Shoesmith <Stephen.Shoesmith@planning.nsw.gov.au>; council@brokenhill.nsw.gov.au
Subject: AIRSERVICES RESPONSE: proposed Silverton Wind Farm (NSW-WF-060 P2)
[SEC=UNCLASSIFIED]

Hi Mel,

I refer to your request for Airservices assessment of the Silverton Wind Farm which has revised its wind turbine layout since last assessed by Airservices.

Airspace Procedures

With respect to procedures promulgated by Airservices in accordance with ICAO PANS-OPS and Document 9905, at a maximum height of 614m/2015ft AHD the windfarm turbines *will affect* the following procedures at Broken Hill Airport:

- 25nm MSA;
- 10nm MSA; and
- DME/GNSS arrival instrument procedures.

The maximum height of the wind turbines without affecting any procedures is **518.16m/1700ft AHD**, however subject to agreement from CASA and the aerodrome operator, the following mitigations could be implemented to accommodate the wind farm:

- The 25nm MSA could be raised to 3000ft;
- The 10nm MSA for the VOR/NDB could be raised to 3000ft.
- The DME/GNSS arrival initial approach could also be amended to be at 14nm from the VOR/NDB; and
- The minimum altitude could be raised to 3000ft between 25nm and 14nm.

Notes:

- Procedures not designed by Airservices were not considered in this assessment;

- We note that the locations for 6 wind monitoring masts and the powerlines have not been confirmed yet. When the locations are known, please submit them to Airport Developments for a further assessment.

CNS Facilities

This proposal for a wind farm and met masts to the maximum height of 614m/2015ft AHD, within the bounds of the locations provided will not adversely impact the performance of any Airservices Precision/Non-Precision Nav Aids, Anemometers, HF/VHF/UHF Comms, A-SMGCS, Radar, PRM, ADS-B, WAM or Satellite/Links.

Please be advised that a copy of the above advice has been cc'd to Broken Hill Airport at the following email address: council@brokenhill.nsw.gov.au.

Kind regards

Carly

Carly Fiumara

Development Application Coordinator

Airservices Australia

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NOTE: I work part-time from Monday to Wednesday and between the hours of 0730 and 1400. Apologies for any inconvenience.

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