

Morris, Rachael

From: Alice Drew <Alice@southernplanning.co.uk>
Sent: 22 May 2024 13:48
To: Morris, Rachael
Subject: RE: HIOWAA

Hi Rachael,

Thank you for your email and proposed pre-commencement conditions therein. Most look agreeable however I would be grateful for clarity on the need for a biodiversity gain plan when one has already been provided?

Below is the aircraft type 135 T3 and comparison of noise levels with the likely back ups from the user manuals to address your comments.

EC135 T3 G-HIOW

FLIGHT MANUAL EC 135 T3 (CPDS)

General			
1.5 NOISE LEVELS			
Noise levels (corrected values) based on a gross mass of 2980 kg			
MTOW = 2980 kg	Takeoff [EPNdB]	Flyover [EPNdB]	Approach [EPNdB]

Normal EC 135 Backup Aircraft T2+



1.5 NOISE LEVELS			
Noise levels (corrected values) based on a gross mass of 2910 kg			
Flight phase	Measurements according ICAO Annex 16 Chapter 8 [EPNdB]	ICAO limits at 2910 kg [EPNdB]	Maximum noise level [EPNdB]
Takeoff	88.3	94.7	

Alternative H145 D2 Backup Aircraft

1.7 NOISE LEVELS

The noise levels determined for a gross mass of 3700 kg u Chapter 8 and Appendix 2 of Annex 16 of ICAO, volume 1 Appendix H, are as follows:

Reference measurement configurations	Noise Level [EPNdB]
Flyover	84.7

Potential future H145 D3 aircraft

1.7 NOISE LEVELS

The noise levels determined for a gross mass of 3800 k prescribed in Chapter 8 and Appendix 2 of Annex 16 of ICAO, CFR 36 Appendix H, are as follows:

Reference measurement configurations	Noise Level [EPNdB]
Takeoff	88.8

Summary Aircraft Comparison Table

Aircraft Type	Aircraft Flight Profile			Max ICAO/ FAR Limit
	Take-off EPNdb	Overflight EPNdb	Approach EPNdb	
EC135 T3 - Existing	86.1	82.7	90.3	94.8
EC135 T2+ - Backup	88.3	85.7	94.9	95.6
H145 D2 – Alt Backup	84.7	86.5	90.3	96.7
H145 D3 - Future	88.8	85.7	91.4	96.2

Alice Drew BSc (Hons) MSc MRTPI
Director

Tel: 01962 715770
 Mob: 07548 343203