

June 2023

London Luton Airport Expansion

Planning Inspectorate Scheme Ref: TR020001

Volume 5 Environmental Statement and Related Documents
5.03 Chapter 16 Noise and Vibration Figures 16.5 - 16.10

Application Document Ref: TR020001/APP/5.03

APFP Regulation: 5(2)(a)

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

London Luton Airport Expansion Development Consent Order 202x

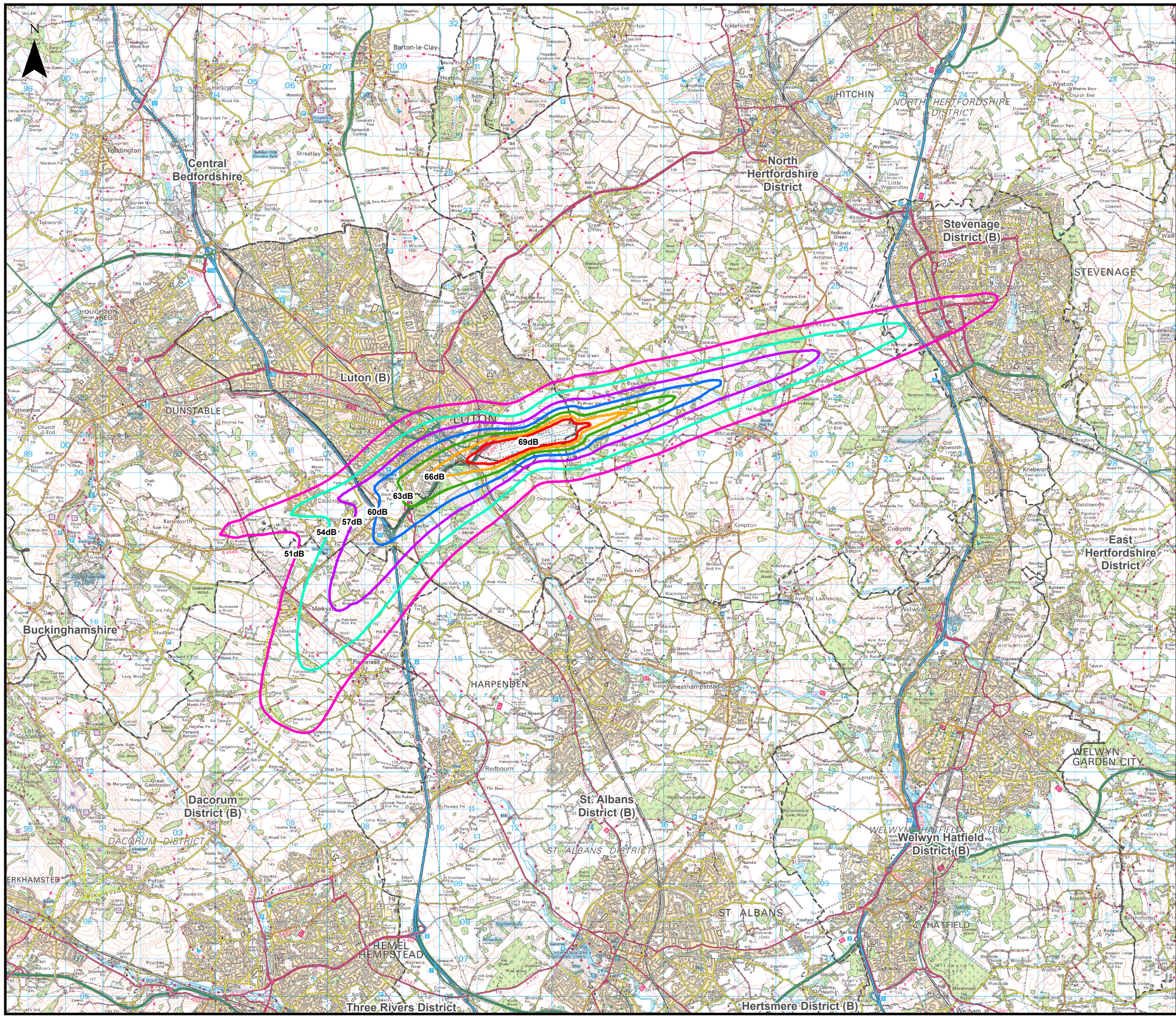
5.03 ENVIRONMENTAL STATEMENT CHAPTER 16 NOISE AND VIBRATION FIGURES 16.5 – 16.10

Regulation number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference:	TR020001
Document Reference:	TR020001/APP/5.03
Author:	Luton Rising

Version	Date	Status of Version
Issue 01	February 2023	Application issue
Revision 01	June 2023	Additional submissions (updated in response to Rule 9 letter)

Contents

Figure 16.5	Extent of 2019 Actuals Daytime LAeq,16h Air Noise Contours
Figure 16.6	Extent of 2019 Actuals Night-time LAeq,8h Air Noise Contours
Figure 16.7	Extent of 2019 Actuals Daytime Overflight Contours up to 4,000 feet
Figure 16.8	Extent of 2019 Actuals Night-time Overflight Contours up to 4,000 feet
Figure 16.9	Extent of 2019 Actuals Daytime number of aircraft above 65 Decibels (dB) LASmax (N65) Air Noise Contours
Figure 16.10	Extent of 2019 Actuals Night-time number of aircraft above 60 Decibels (dB) LASmax (N60) Air Noise Contours



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All structure positions are indicative. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order.

Legend

- Local Authority Boundaries
- Air Noise Contours in Decibels (dB) (2019 Actuals Daytime LAeq,16h)**
- 51dB - Lowest Observed Adverse Effect Level (LOAEL)
- 54dB
- 57dB
- 60dB
- 63dB - Significant Observed Adverse Effect Level (SOAEL)
- 66dB
- 69dB - Unacceptable Adverse Effect Level (UAEL)

Additional submissions (updated in response to Rule 9 letter)	LP	CSH	CS	22/06/23	P02
First Issue	LP	CSH	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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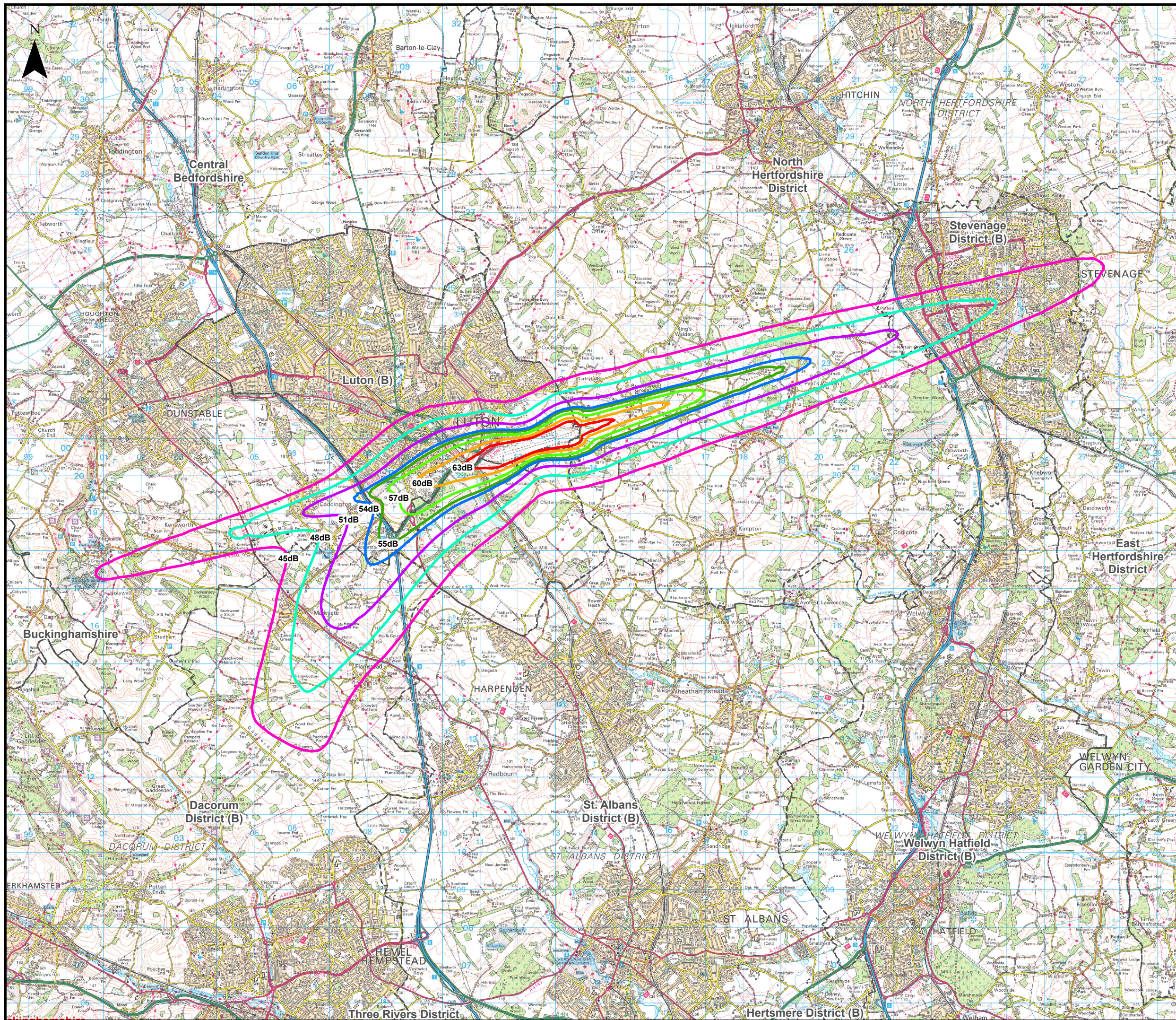
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Drawing Title
**Figure 16.5
Extent of 2019 Actuals Daytime LAeq,16h
Air Noise Contours**

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)				Suitability
Drawn	Checked	Approved	Date	Scale	Size
LP	CSH	CS	22/06/23	1:95,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	APFP 5(2)(a)	TR020001/APP/5.03

Drawing Number	Revision
LLADCO-3C-AEC-00-00-DR-YE-0005	P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



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Legend

- Local Authority Boundaries
- Air Noise Contours in Decibels (dB) (2019 Actuals Night-time LAeq,8h)**
- 45dB - Lowest Observed Adverse Effect Level (LOAEL)
- 48dB
- 51dB
- 54dB
- 55dB - Significant Observed Adverse Effect Level (SOAEL)
- 57dB
- 60dB
- 63dB - Unacceptable Adverse Effect Level (JUEL)

Additional submissions (updated in response to Rule 9 letter)	LP	CSH	CS	22/06/23	P02
First Issue	LP	CSH	CS	31/01/23	P01
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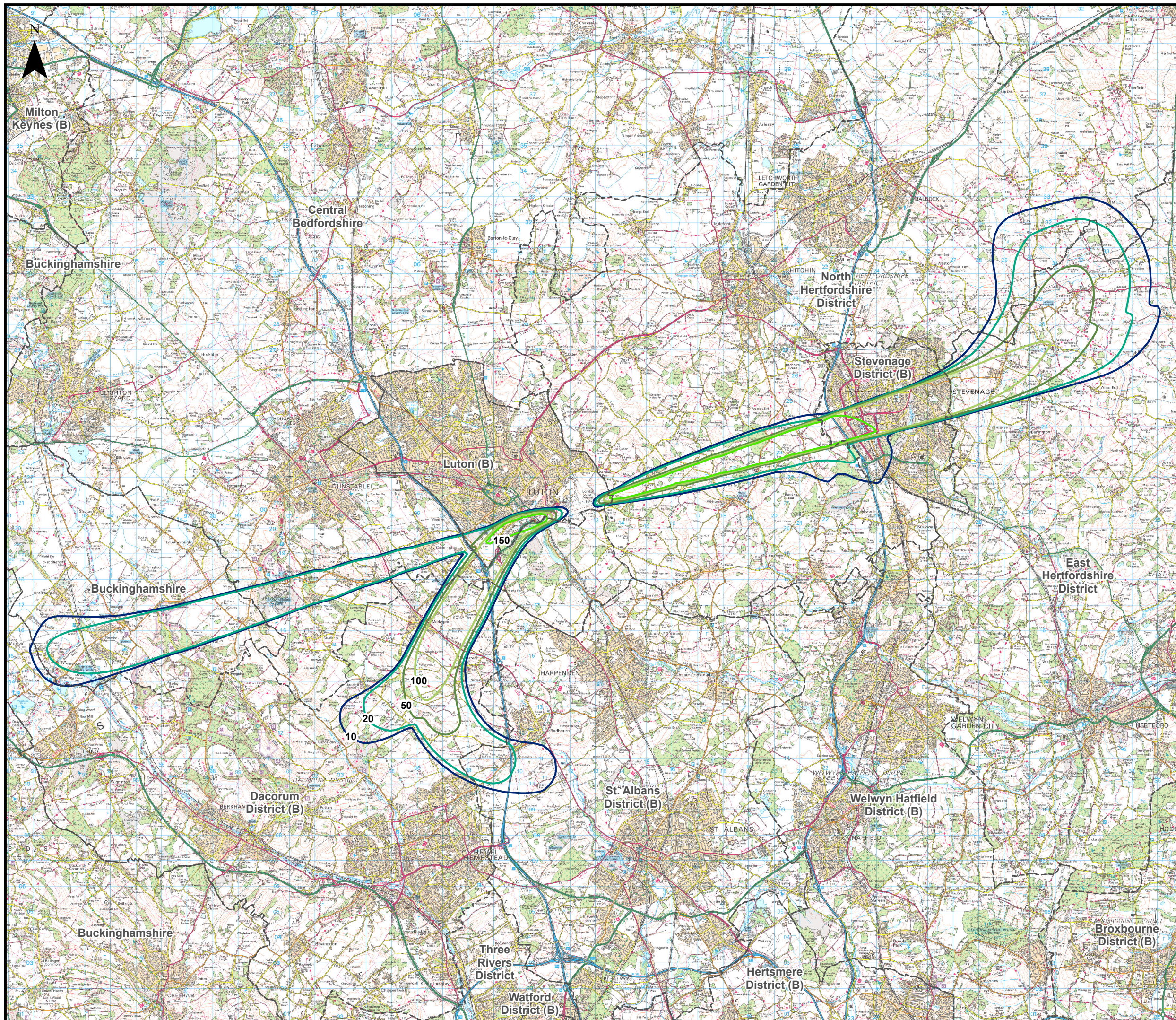
Drawing Title
**Figure 16.6
Extent of 2019 Actuals Night-time LAeq,8h
Air Noise Contours**

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)				Suitability
Drawn	Checked	Approved	Date	Scale	Size
LP	CSH	CS	22/06/23	1:95,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	APFP 5(2)(a)	TR020001/APP/5.03

Drawing Number	Revision
LLADCO-3C-AEC-00-00-DR-YE-0006	P02

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Legend

Local Authority Boundaries

Number of overflights per day (07:00 – 23:00) up to 4,000ft (2019 Actuals)

- 10
- 20
- 50
- 100
- 150

Additional submissions (updated in response to Rule 9 letter)	LP	CSh	CS	20/06/23	P02
First Issue	MAB	CSh	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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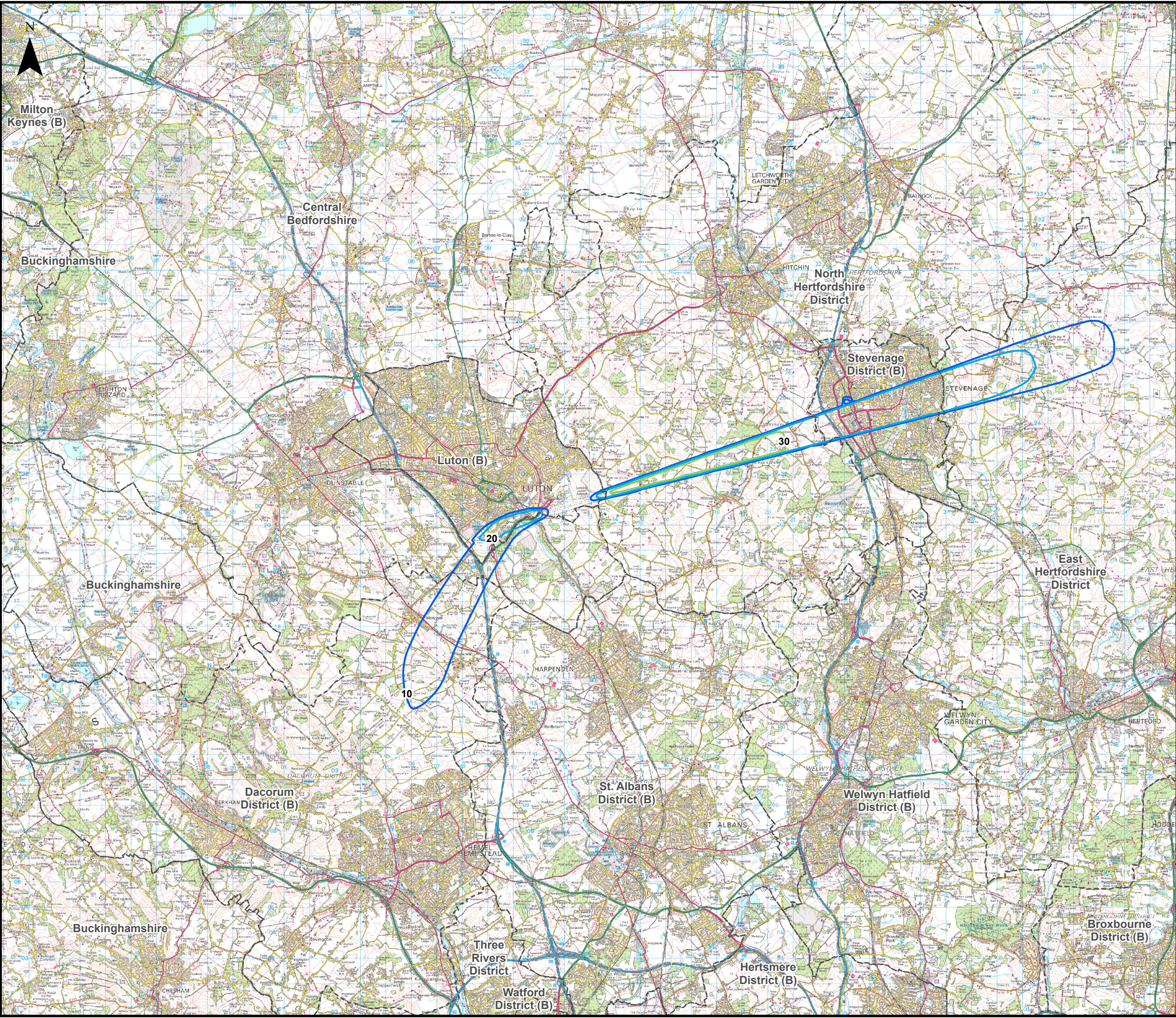
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Drawing Title: **Figure 16.7
Extent of 2019 Actuals Daytime
Overflight Contours up to 4,000 feet**

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
MAB	CSh	CS	20/06/23	1:140,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	APFP 5(2)(a)	TR020001/APP/5.03

Drawing Number	Revision
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Legend

--- Local Authority Boundaries

Number of overflights per night (23:00 – 07:00) up to 4,000ft (2019 Actuals)

10
 20
 30

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Additional submissions (updated in response to Rule 9 letter)	LP	CSH	CS	20/06/23	P02
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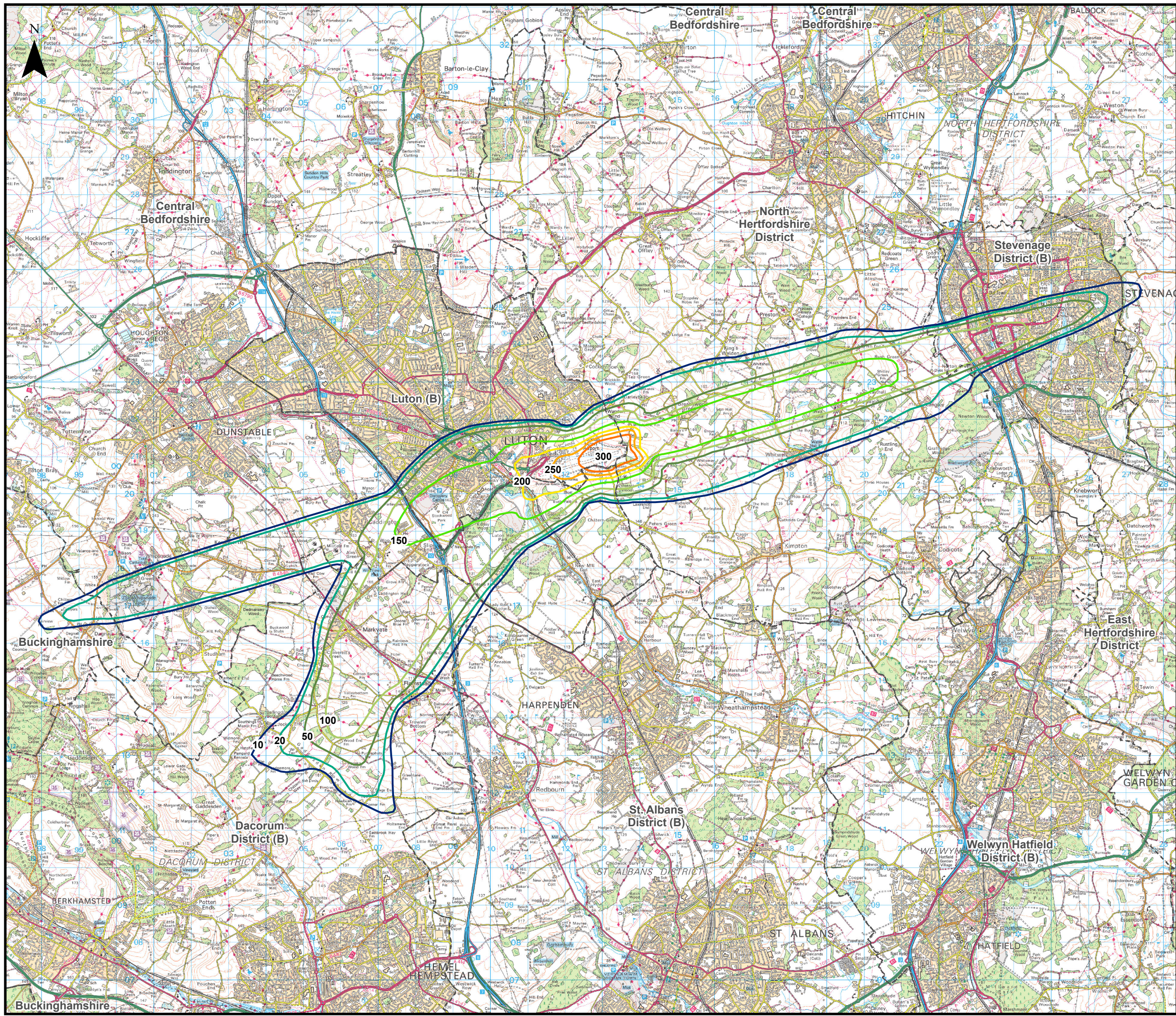
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Drawing Title
 Figure 16.8
 Extent of 2019 Actuals Night-time Overflight Contours up to 4,000 feet

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)				Suitability
Drawn	Checked	Approved	Date	Scale	Size
MAB	CSH	CS	20/06/23	1:140,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	APFP 5(2)(a)	TR020001/APP/5.03

Drawing Number	Revision
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Legend

Local Authority Boundaries

Air Noise Contours (2019 Actuals Daytime number of aircraft above 65 Decibels (dB) LASmax (N65))

- 10
- 20
- 50
- 100
- 150
- 200
- 250
- 300

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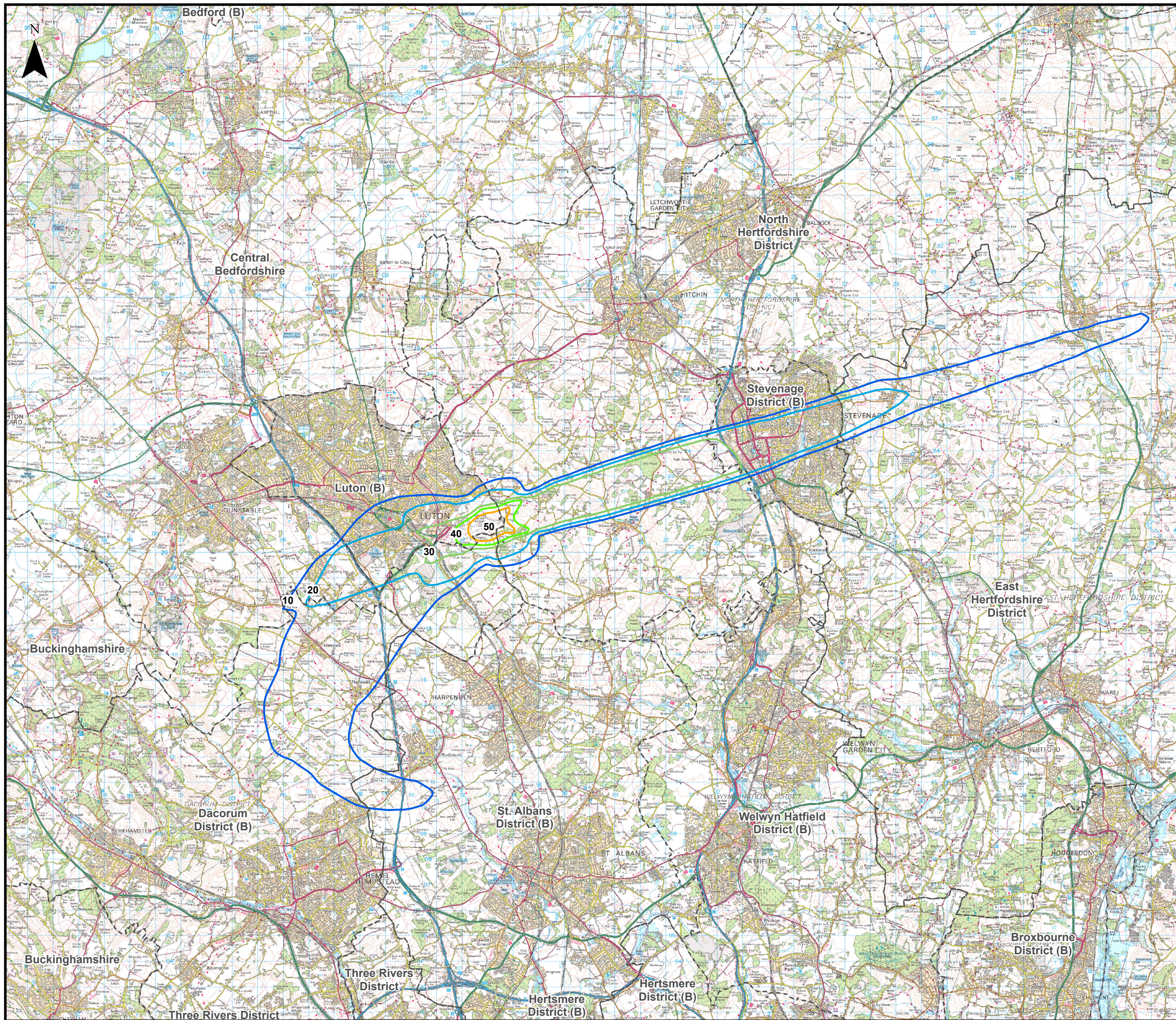
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Drawing Title: Figure 16.9
Extent of 2019 Actuals Daytime number of aircraft above 65 Decibels (dB) LASmax (N65) Air Noise Contours

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)				Suitability
Drawn	Checked	Approved	Date	Scale	Size
MAB	CSH	CS	20/06/23	1:95,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	APFP 5(2)(a)	TR020001/APP/5.03

Drawing Number	Revision
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Legend

--- Local Authority Boundaries

Air Noise Contours (2019 Actuals Night-time number of aircraft above 60 Decibels (dB) LASmax (N60))

- 10
- 20
- 30
- 40
- 50

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Drawing Title: Figure 16.10
Extent of 2019 Actuals Night-time number of aircraft above 60 Decibels (dB) LASmax (N60) Air Noise Contours

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)				Suitability
Drawn	Checked	Approved	Date	Scale	Size
MAB	CSh	CS	20/06/23	1:140,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	APFP 5(2)(a)	TR020001/APP/5.03

Drawing Number	Revision
LLADCO-3C-AEC-00-00-DR-YE-0010	P02

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number