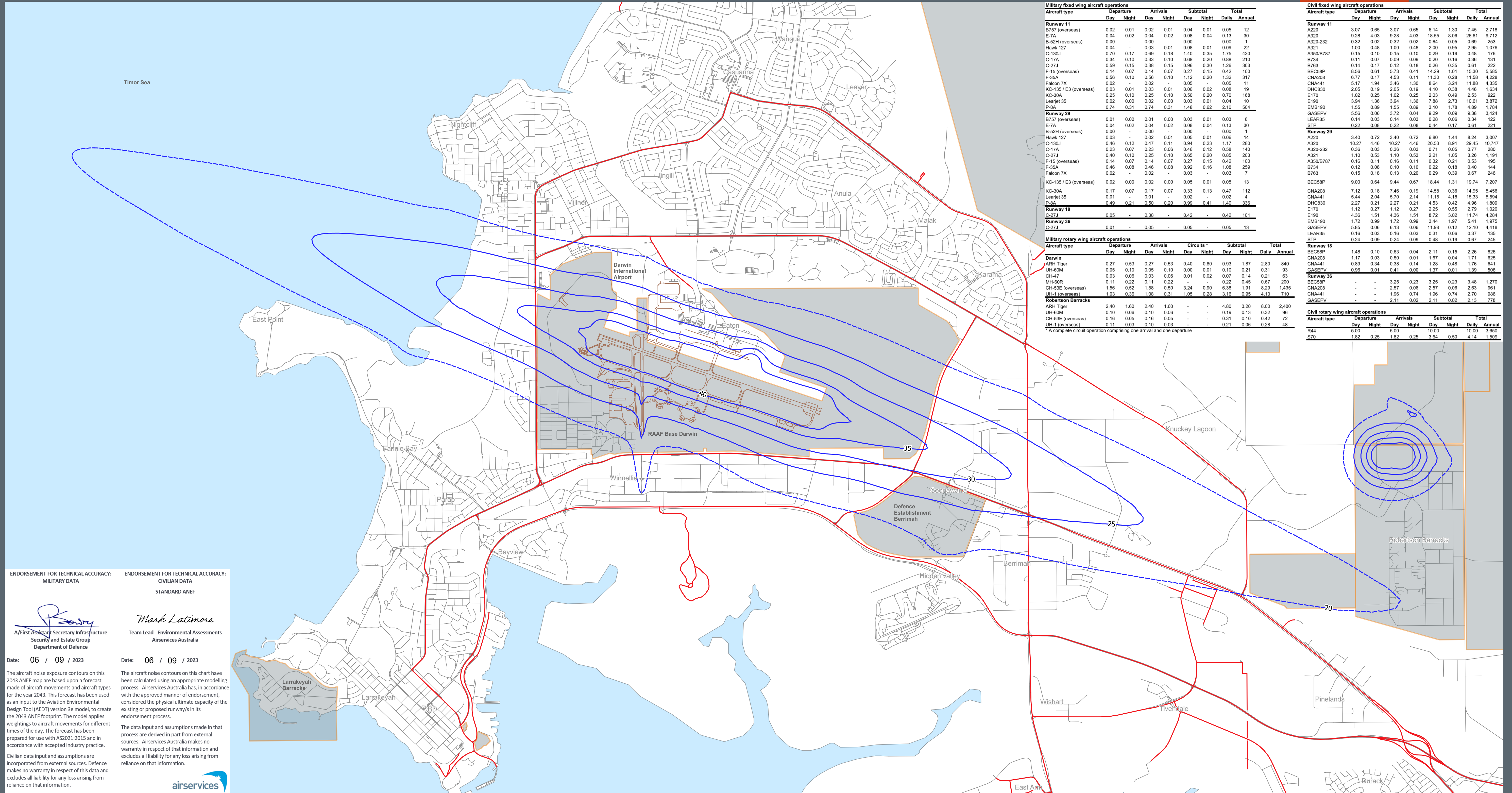


# RAAF Base Darwin and Darwin International Airport



Military fixed wing aircraft operations									
Aircraft type	Departure		Arrivals		Subtotal		Total		
	Day	Night	Day	Night	Day	Night			
<b>Runway 11</b>									
B757 (overseas)	0.02	0.01	0.02	0.01	0.04	0.01	0.05		
E-7A	0.04	0.02	0.04	0.02	0.08	0.04	0.13		
B-52H (overseas)	0.00	-	0.00	-	0.00	-	0.00		
Hawk 127	0.04	-	0.03	0.01	0.08	0.01	0.09		
C-130J	0.70	0.17	0.69	0.18	1.40	0.35	1.75		
C-17A	0.34	0.10	0.33	0.10	0.68	0.20	0.88		
C-27J	0.59	0.15	0.38	0.15	0.96	0.30	1.26		
F-15 (overseas)	0.14	0.07	0.14	0.07	0.27	0.15	0.42		
F-35A	0.56	0.10	0.56	0.10	1.12	0.20	1.32		
Falcon 7X	0.02	-	0.02	-	0.05	-	0.05		
KC-135/E3 (overseas)	0.03	0.01	0.03	0.01	0.06	0.02	0.08		
LC-130	0.25	0.10	0.25	0.10	0.50	0.20	0.70		
Learjet 35	0.02	0.00	0.02	0.00	0.03	0.01	0.04		
P-8A	0.74	0.31	0.74	0.31	1.48	0.62	2.10		
<b>Runway 29</b>									
B757 (overseas)	0.01	0.00	0.01	0.00	0.03	0.01	0.03		
E-7A	0.04	0.02	0.04	0.02	0.08	0.04	0.13		
B-52H (overseas)	0.00	-	0.00	-	0.00	-	0.00		
Hawk 127	0.03	-	0.02	0.01	0.05	0.01	0.06		
C-130J	0.46	0.12	0.47	0.11	0.94	0.23	1.17		
C-17A	0.23	0.07	0.23	0.06	0.46	0.12	0.58		
C-27J	0.40	0.10	0.35	0.10	0.65	0.20	0.85		
F-15 (overseas)	0.14	0.07	0.14	0.07	0.27	0.15	0.42		
F-35A	0.46	0.08	0.46	0.08	0.92	0.16	1.08		
Falcon 7X	0.02	-	0.02	-	0.03	-	0.03		
KC-135/E3 (overseas)	0.02	0.00	0.02	0.00	0.05	0.01	0.05		
LC-130	0.17	0.07	0.17	0.07	0.33	0.13	0.47		
Learjet 35	0.01	-	0.01	-	0.02	-	0.02		
P-8A	0.49	0.21	0.50	0.20	0.99	0.41	1.40		
<b>Runway 18</b>									
C-27J	0.05	-	0.38	-	0.42	-	0.42		
C-27J	0.01	-	0.05	-	0.05	-	0.05		
<b>Military rotary wing aircraft operations</b>									
Aircraft type	Departure		Arrivals		Circuits*		Subtotal		Total
	Day	Night	Day	Night	Day	Night	Day	Night	
ARH Tiger	0.27	0.53	0.27	0.53	0.40	0.80	0.93	1.87	2.80
UH-60M	0.05	0.10	0.05	0.10	0.00	0.01	0.10	0.21	0.31
UH-1	0.03	0.06	0.03	0.06	0.01	0.02	0.07	0.14	0.21
UH-60R	0.11	0.22	0.11	0.22	-	-	0.22	0.45	0.67
CH-53E (overseas)	1.56	0.52	1.58	0.50	3.24	0.90	6.38	1.91	8.29
UH-1 (overseas)	1.03	0.36	1.08	0.31	1.05	0.28	3.16	0.95	4.10
<b>Robertson Barracks</b>									
ARH Tiger	2.40	1.60	2.40	1.60	-	-	4.80	3.20	8.00
UH-60M	0.10	0.06	0.10	0.06	-	-	0.19	0.13	0.32
UH-53E (overseas)	0.16	0.05	0.16	0.05	-	-	0.31	0.10	0.42
UH-1 (overseas)	0.11	0.03	0.10	0.03	-	-	0.21	0.06	0.28

Civil fixed wing aircraft operations							
Aircraft type	Departure		Arrivals		Subtotal		Total
	Day	Night	Day	Night	Day	Night	
<b>Runway 11</b>							
A220	3.07	0.65	3.07	0.65	6.14	1.30	7.45
A320	9.28	4.03	9.28	4.03	18.55	8.06	26.61
A320-32X	0.32	0.02	0.32	0.02	0.64	0.05	0.69
A321	1.00	0.48	1.00	0.48	2.00	0.95	2.95
A350/B787	0.15	0.10	0.15	0.10	0.29	0.19	0.48
B734	0.11	0.07	0.09	0.09	0.20	0.16	0.36
B763	0.14	0.17	0.12	0.18	0.26	0.35	0.61
BEC38P	8.56	0.61	5.73	0.41	14.29	1.01	15.30
CNA208	6.77	0.17	4.53	0.11	11.30	0.28	11.58
CNA411	5.17	1.94	3.46	1.30	8.64	3.24	11.88
DHC830	2.05	0.19	2.05	0.19	4.10	0.38	4.48
E175	1.02	0.25	1.02	0.25	2.03	0.49	2.53
E190	3.94	1.36	3.94	1.36	7.88	2.73	10.61
EMB190	1.55	0.89	1.55	0.89	3.10	1.78	4.89
GA850P	5.56	0.66	3.72	0.04	8.29	0.09	9.38
LEAR35	0.14	0.03	0.14	0.03	0.28	0.06	0.34
STP	0.22	0.08	0.22	0.08	0.44	0.17	0.61
<b>Runway 29</b>							
A220	3.40	0.72	3.40	0.72	6.80	1.44	8.24
A320	10.27	4.46	10.27	4.46	20.53	8.91	29.45
A320-32X	0.36	0.03	0.36	0.03	0.71	0.05	0.77
A321	1.10	0.53	1.10	0.53	2.21	1.05	3.26
A350/B787	0.16	0.11	0.16	0.11	0.32	0.21	0.53
B734	0.12	0.08	0.10	0.10	0.22	0.18	0.40
B763	0.15	0.18	0.13	0.20	0.29	0.39	0.67
BEC38P	9.00	0.64	9.44	0.67	18.44	1.31	19.74
CNA208	7.12	0.18	7.46	0.19	14.58	0.38	14.95
CNA411	5.44	2.04	5.70	2.14	11.15	4.18	15.33
DHC830	2.27	0.21	2.27	0.21	4.53	0.42	4.96
E170	1.12	0.27	1.12	0.27	2.25	0.55	2.79
E190	4.36	1.51	4.36	1.51	8.72	3.02	11.74
EMB190	1.72	0.99	1.72	0.99	3.44	1.97	5.41
GA850P	5.85	0.06	6.13	0.06	11.98	0.12	12.10
LEAR35	0.16	0.03	0.16	0.03	0.31	0.06	0.37
STP	0.24	0.09	0.24	0.09	0.48	0.19	0.67
<b>Runway 18</b>							
BEC38P	1.48	0.10	0.83	0.04	2.11	0.15	2.26
CNA208	1.17	0.03	0.50	0.01	1.67	0.04	1.71
CNA411	0.89	0.34	0.38	0.14	1.28	0.48	1.76
GA850P	0.95	0.01	0.41	0.00	1.37	0.01	1.39
<b>Runway 36</b>							
BEC38P	-	-	3.25	0.23	3.25	0.23	3.48
CNA208	-	-	2.57	0.06	2.57	0.06	2.63
CNA411	-	-	1.96	0.74	1.96	0.74	2.70
GA850P	-	-	2.11	0.02	2.11	0.02	2.13
<b>Civil rotary wing aircraft operations</b>							
Aircraft type	Departure		Arrivals		Subtotal		Total
	Day	Night	Day	Night	Day	Night	
R44	5.00	-	5.00	-	10.00	-	10.00
R70	1.82	0.25	1.82	0.25	3.64	0.50	4.14

**ENDORSEMENT FOR TECHNICAL ACCURACY: MILITARY DATA**  
*Mark Latimore*  
 Team Lead - Environmental Assessments  
 Airservices Australia

**ENDORSEMENT FOR TECHNICAL ACCURACY: CIVILIAN DATA**  
 STANDARD ANEF

Date: 06 / 09 / 2023

The aircraft noise exposure contours on this chart have been calculated using an appropriate modelling process. Airservices Australia has, in accordance with the approved manner of endorsement, considered the physical ultimate capacity of the existing or proposed runway/s in its endorsement process.

The data input and assumptions made in that process are derived in part from external sources. Airservices Australia makes no warranty in respect of that information and excludes all liability for any loss arising from reliance on that information.

airservices

## 2043 Joint Military-Civil Australian Noise Exposure Forecast

**Technical data**  
 ANEF contour calculated using Aviation Environmental Design Tool v3e incorporating terrain data.

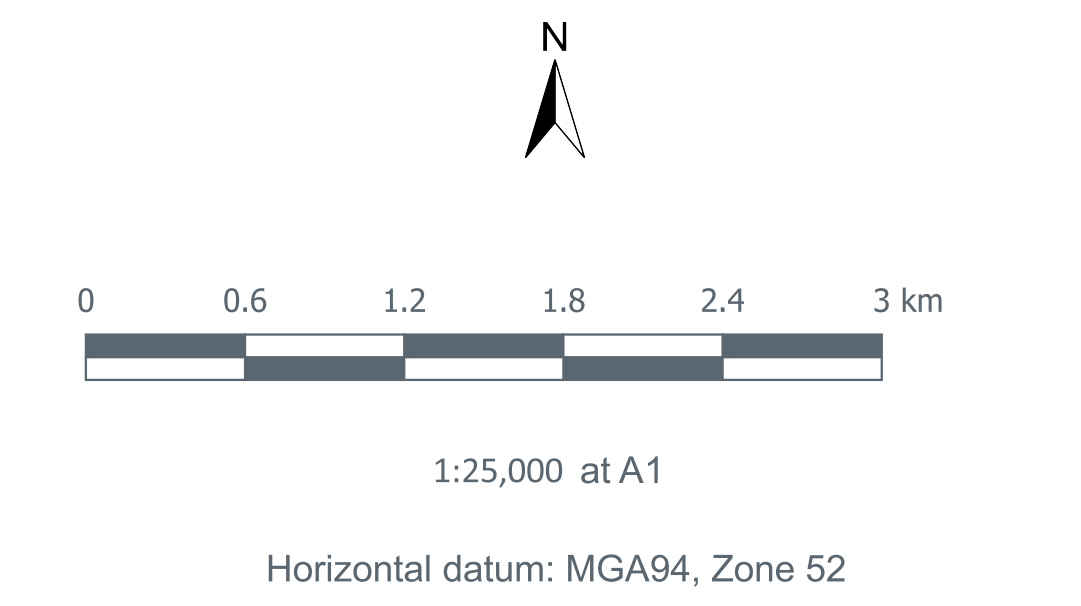
Runway layout and coordinates:

Runways:	
Rwy 11	-12.40939° lat, 130.96526° long
Rwy 29	-12.41922° lat, 130.87066° long
Rwy 18	-12.40883° lat, 130.89444° long
Rwy 36	-12.42261° lat, 130.87070° long

Helipads:

Military	-12.41922° lat, 130.87066° long
Military	-12.41122° lat, 130.87066° long
Civil	-12.41279° lat, 130.88551° long
Robertson Barracks	-12.42548° lat, 130.97446° long
	-12.42540° lat, 130.97197° long

Produced by Marshall Day Acoustics and Airbiz  
 Date issue 5 July 2023



**Legend**

- ANE 20
- ANE >20
- Defence Property
- NTG Controlled Road
- Road



To be read in conjunction with AS2021:2015