



ENDORSEMENT FOR TECHNICAL ACCURACY
STANDARD ANEF

Signed _____
Date: 3 / 12 / 2012

General Manager Environment
Airservices Australia, Canberra

The aircraft noise 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.

BUILDING SITE ACCEPTABILITY BASED ON ANEF ZONES
(FROM Australian Standard 2021-2000)

Building type	ANEF zone of site		
	Acceptable	Conditionally acceptable	Unacceptable
House, home unit, flat, caravan park	Less than 20 ANEF (Note 1 of AS2021-2000)	20 to 25 ANEF (Note 2 of AS2021-2000)	Greater than 25 ANEF
Hotel, motel, hostel	Less than 25 ANEF	25 to 30 ANEF	Greater than 30 ANEF
School, university	Less than 20 ANEF (Note 1 of AS2021-2000)	20 to 25 ANEF (Note 2 of AS2021-2000)	Greater than 25 ANEF
Hospital, nursing home	Less than 20 ANEF (Note 1 of AS2021-2000)	20 to 25 ANEF	Greater than 25 ANEF
Public building	Less than 20 ANEF (Note 1 of AS2021-2000)	20 to 30 ANEF	Greater than 30 ANEF
Commercial building	Less than 25 ANEF	25 to 35 ANEF	Greater than 35 ANEF
Light industrial	Less than 25 ANEF	30 to 40 ANEF	Greater than 40 ANEF
Other industrial	Acceptable in all ANEF zones		

- NOTES:**
- The actual location of the 20 ANEF contour is difficult to define accurately, mainly because of variation in aircraft flight path. Because of this, the procedure of Clause 2.3.2 of AS2021-2000 may be followed for building sites outside but near the 20 ANEF contour.
 - Within 20 ANEF to 25 ANEF, some people may find that the land is not compatible with residential or educational uses. Land use authorities may consider the incorporation of noise control features in the construction of residences or schools is appropriate.
 - There will be cases where a building of a particular type will contain spaces used for activities which would generally be found in a different type of building (e.g. an office in an industrial building). In these cases the above Table should be used to determine site acceptability, but internal design noise levels within the specific spaces should be determined by Table 3 of AS2021-2000.
 - This standard does not recommend development in unacceptable areas. However, where the relevant planning authority determines that any development may be necessary within existing built-up areas designated as unacceptable, it is recommended that the requirement should achieve the required ANR determined according to Clause 3.2 of AS2021-2000. For residences, schools, etc., the effect of aircraft noise on outdoor areas associated with the buildings should be considered.
 - In no case should new development take place in greenfield sites deemed unacceptable because such development may impact airport operations.

SYDNEY ANEF 2033 VB

Aircraft	Arrivals				Departures				Runway 07				
	Day	Night	Total	All	Day	Night	Total	All	Day	Night	Total	All	
737300	0.03	0.01	0.04	0.00	0.03	0.03	0.07	0.04	0.02	0.05	0.00	0.09	0.14
737400	0.00	0.58	0.58	0.03	0.05	0.08	0.67	0.00	0.65	0.65	0.04	0.18	0.22
737800	1.72	1.93	3.65	0.65	0.35	1.00	4.65	1.97	1.71	3.68	1.98	3.30	5.28
747400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.02
777200	0.29	0.58	0.87	0.13	0.19	0.32	1.20	0.40	0.60	1.00	0.40	0.27	0.67
777300	0.28	0.11	0.39	0.09	0.24	0.34	0.72	0.36	0.14	0.50	0.43	0.22	0.65
A319-131	0.16	0.23	0.39	0.12	0.05	0.17	0.56	0.32	0.20	0.53	0.39	0.05	0.44
A320-232	0.39	0.40	0.80	0.09	0.06	0.15	0.95	0.44	0.36	0.80	0.21	0.51	1.31
A321-232	1.00	2.17	3.17	0.40	0.42	0.83	4.00	1.26	2.05	3.31	0.94	2.78	3.72
A330-343	3.90	3.28	7.17	1.53	0.82	2.35	9.52	4.95	2.98	7.93	4.71	5.53	10.24
A340-642	0.17	0.25	0.42	0.02	0.10	0.12	0.34	0.11	0.05	0.16	0.02	0.15	0.17
A380-841	0.14	0.47	0.61	0.20	0.25	0.45	1.06	0.34	0.49	0.83	0.56	0.22	0.77
A380-861	0.23	0.02	0.25	0.14	0.00	0.14	0.38	0.23	0.02	0.26	0.39	0.00	0.39
DHC6	0.29	0.25	0.54	0.14	0.29	0.43	0.97	0.35	0.19	0.54	0.38	0.37	0.75
DHC830	2.40	2.23	4.63	0.83	0.14	0.77	3.40	2.61	0.20	2.82	2.21	0.72	2.93
GV	0.20	0.20	0.40	0.04	0.01	0.06	0.46	0.14	0.14	0.28	0.08	0.07	0.15
SF340	0.72	0.06	0.78	0.42	0.11	0.53	1.31	1.06	0.06	1.12	1.05	1.00	2.06
TOTAL	11.92	10.88	22.50	4.65	3.12	7.77	30.27	14.59	9.87	24.46	13.88	15.16	29.04

Aircraft	Arrivals				Departures				Runway 16R				Runway 34L			
	Day	Night	Total	All	Day	Night	Total	All	Day	Night	Total	All	Day	Night	Total	All
737300	0.02	0.26	0.28	0.00	0.30	0.30	0.59	0.01	0.22	0.23	0.00	0.28	0.28	0.51	0.51	1.13
737400	0.00	0.37	0.37	0.00	0.86	0.86	1.23	0.00	0.62	0.62	0.00	0.51	0.51	1.13	1.13	2.40
737800	15.43	5.29	20.72	16.77	5.74	22.52	43.24	14.88	5.55	20.43	20.53	5.54	26.06	46.49	46.49	97.6
747400	0.11	0.31	0.42	0.26	0.32	0.58	1.00	0.09	0.33	0.41	0.38	0.38	0.76	1.19	1.19	2.40
777300	0.14	0.17	0.31	0.26	0.00	0.26	0.56	0.13	0.19	0.32	0.55	0.00	0.55	0.87	0.87	1.80
A319-131	3.64	0.36	4.00	2.17	0.25	2.42	6.42	3.20	0.42	3.62	4.11	0.38	4.49	8.12	8.12	16.9
A320-232	1.99	0.67	2.66	2.53	1.06	3.58	6.25	1.75	0.94	2.69	2.46	0.99	3.45	6.14	6.14	12.6
A321-232	11.03	4.84	15.87	9.42	7.05	16.47	32.34	9.69	5.17	14.86	11.27	6.23	17.51	32.37	32.37	66.7
A330-343	29.70	7.57	37.27	29.47	6.65	36.13	73.40	29.19	7.97	37.15	38.56	7.41	45.96	86.12	86.12	175.5
A340-642	0.14	0.34	0.47	0.04	0.05	0.08	0.56	0.17	0.27	0.44	0.13	0.22	0.35	0.79	0.79	1.6
DHC6	2.99	1.90	4.89	2.46	2.62	5.09	9.90	2.75	2.09	4.83	2.33	2.11	4.64	9.48	9.48	19.5
DHC830	17.47	1.11	18.59	12.33	2.68	15.00	33.59	16.99	1.60	18.58	18.96	4.12	23.09	41.67	41.67	85.3
GV	0.59	0.21	0.79	0.62	0.61	1.23	2.02	0.47	0.38	0.84	0.40	0.29	0.69	1.53	1.53	3.1
SF340	7.30	0.80	8.10	3.33	0.92	4.25	13.35	6.92	0.58	7.50	4.23	0.87	4.89	12.39	12.39	25.3
TOTAL	90.55	24.21	114.76	80.66	29.12	109.77	224.53	86.24	26.31	112.55	103.92	29.35	133.26	245.81	245.81	500.0

Aircraft	Arrivals				Departures				Runway 16L				Runway 34R			
	Day	Night	Total	All	Day	Night	Total	All	Day	Night	Total	All	Day	Night	Total	All
737300	0.51	0.26	0.77	0.00	0.83	0.83	1.60	0.40	0.22	0.62	0.00	0.47	0.47	1.09	1.09	2.2
737400	0.00	0.29	0.29	0.53	0.34	0.87	1.16	0.00	0.49	0.49	0.41	0.05	0.46	0.95	0.95	1.9
737800	11.12	3.85	14.97	11.58	4.71	16.29	31.26	12.97	4.66	17.63	7.49	2.36	9.85	27.40	27.40	55.8
747400	0.00	0.37	0.37	0.41	0.00	0.41	0.77	0.00	0.62	0.62	0.58	0.00	0.58	1.21	1.21	2.4
777200	4.50	3.50	8.00	5.69	3.45	9.15	17.15	4.61	3.68	8.29	5.13	2.38	7.51	15.80	15.80	31.6
777300	4.69	4.27	8.96	7.02	3.10	10.13	19.09	5.41	5.12	10.53	6.64	2.43	9.07	19.60	19.60	39.2
A319-131	2.71	0.37	3.08	4.07	0.78	4.85	7.93	2.96	0.42	3.38	2.14	0.49	2.63	6.01	6.01	12.0
A320-232	1.18	0.69	1.87	1.55	0.58	2.14	4.00	1.24	0.94	2.18	1.07	0.10	1.17	3.35	3.35	6.7
A321-232	6.58	3.48	10.06	8.29	4.23	12.52	22.98	7.43	4.29	11.72	5.67	2.28	7.95	19.67	19.67	39.3
A330-343	38.29	11.49	49.75	44.47	12.96	57.43	107.19	41.01	14.72	55.72	34.26	8.63	42.90	98.62	98.62	197.2
A340-642	0.19	1.15	1.34	0.48	1.56	2.05	3.38	0.23	1.14	1.36	0.31	0.92	1.23	2.60	2.60	5.2
A380-841	6.72	5.10	11.82	9.94	3.38	13.31	25.13	6.79	7.95	14.74	10.30	3.16	13.46	28.20	28.20	56.4
A380-861	3.37	0.89	4.26	5.96	0.00	5.96	10.22	4.17	3.07	7.24	5.52	0.00	5.52	12.76	12.76	25.5
DHC6	1.30	0.29	1.59	2.91	4.47	7.38	8.97	3.52	2.89	6.40	2.77	0.93	3.70	13.31	13.31	26.6
DHC830	12.71	1.19	13.90	17.58	4.02	21.60	35.50	14.82	2.67	17.49	9.29	1.32	10.61	28.09	28.09	56.2
GV	0.26	0.02	0.29	0.44	3.00	3.44	3.73	0.34	3.05	3.40	0.42	0.01	0.43	3.82	3.82	7.6
EA455	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
SF340	11.99	1.30	13.29	15.15	3.72	18.86	30.16	14.00	1.20	15.21	12.82	3.58	16.41	31.61	31.61	63.2
TOTAL	106.12	38.49	144.60	134.07	53.14	187.20	331.81	117.59	64.55	182.14	104.83	29.12	133.95	316.09	316.09	632.2

Aircraft	Arrivals				Departures				Runway H				
	Day	Night	Total	All	Day	Night	Total	All	Day	Night	Total	All	
EC130	12.25	0.75	13.00	12.25	0.75	13.00	26.00	26.00	12.25	0.75	13.00	26.00	26.00
Total	12.25	0.75	13.00	12.25	0.75	13.00	26.00	26.00	12.25	0.75	13.00	26.00	26.00

Notes: Component items may not add to totals due to rounding. Day is defined as 7 am to 7 pm (local) and night as 7 pm to 7 am (local).

Runway End Coordinates

Runway	Easting (MGA94)	Northing (MGA94)
Runway 07	330292	6242562
Runway 25	332714	6243294
Runway 16R	330999	6244171
Runway 34L	331905	6240314
Runway 10L	332586	6241952
Runway 34R	333143	6239576

No.	Date	Original Issue	DN
0	16 November	Original Issue	DN
1	12 December	Revisions	Init
2	12 December	Designed	Approved
3	12 December	Designed	Approved

