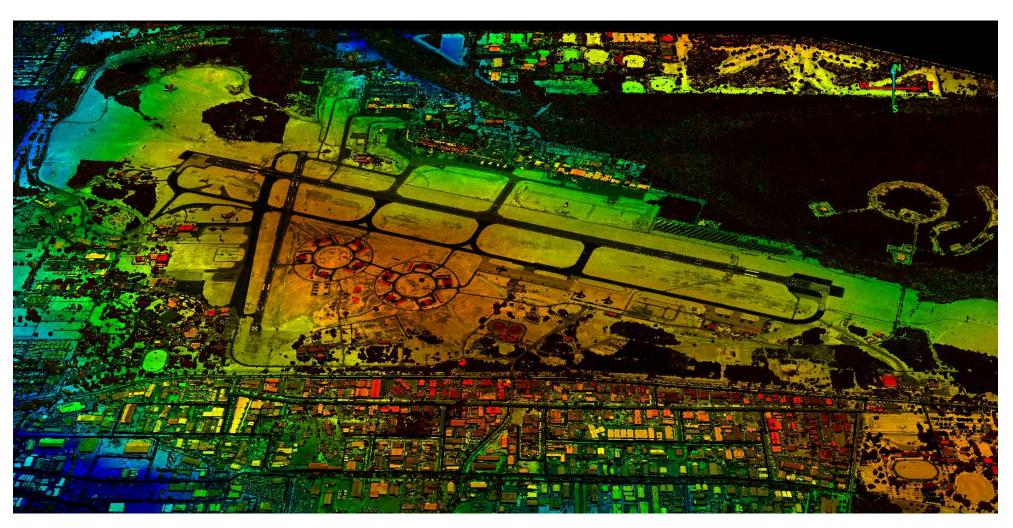
OBSTACLE LIMITATION SURVEYS AND ASSESSMENT

RAAF BASE DARWIN
AERODROME OBSTACLE CHART ICAO TYPE A
(OPERATING LIMITATIONS) ISSUED NOVEMBER 2024

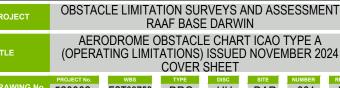






ATE	REVISION DETAILS	APPROVED	SCALE
-	FOR REVIEW	DG	AS SHOWN
.11.24	FOR ISSUE	DG	DRAWN
			MH
			SURVEYED
			KI/AD/AAM
			CHECKED
			GH





					NOTES				LEC	GEND					
LEGEND		DECLARED DISTANCES FOR RUNWAY 11			1. AZIMUTH	HAND COORDINATES FOR	R THIS SURVEY ARE BASED ON	OPST	RUCTIONS AND OBSTACLES						
LOWEST SURVEYED SLOPE	TAKE OFF RUN AVAILABLE (TOR	RA)		3354m (11004')	THE VER	RTICAL DATUM BEING AHE).		0631		•				
GROUND LEVEL	TAKE OFF DISTANCE AVAILABLE	E (TODA)		3444m (11299') (SEE NOTE BELOW)		HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET				OBJECT NUMBE	R				
— — — — MOST LIMITING OBSTACLE	ACCELERATE STOP DISTANCE A	AVAILABLE (ASDA)		3354m (11004')	ELEVATION	ONS IN FEET				392' TOP ELEVATION	I IN FEET				
— — — WIGST EINITHING OBSTACLE	LANDING DISTANCE AVAILABLE	(LDA)		3354m (11004')	ADDADE		IOTIFY ANY ERRORS OR OMISS	SIONS AS SOON AS THEY B	BECOME	TREE(S) OR VEO	GETATION				
OBSTACLE				6%, 3262m (10702') 1.9%, 3267m (10718') 2.0		NI IO:-				. ,					
1	SUPPLEMENTARY TAKE OFF DIS	KE OFF DISTANCE AVAILABLE (STODA) 3276m (10748') 2.2%, 3288m (10787') 2.5%, 3311m (10862') 3.3 3337m (10948') 5.0%		.2%, 3288m (10787') 2.5%, 3311m (10862') 3.3		AERONAUTICAL INFORMATION SERVICE – AIR FORCE EMAIL: AIS AF@DEFENCE.GOV.AU					BUILDING OR LARGE STRUCTURE				
				3337111 (10540) 3.0 %		-				POLE, TOWER, S	SPIRE ETC				
	NOTE: A SIGN IS LOCATED IN THE				4. FOR FUR	RTHER INFORMATION REC	SARDING THIS CHART CONTAC	T THE ABOVE		△ ANTENNA					
	CLEARWAY, THEREFORE THE TO	-ODA			5. MAGNET	TIC VARIATION 2° 15' E (MA	ARCH 2024)		MOVING (ROADS, RAILWAY TRACKS ETC)						
	GRADIENT CANNOT BE PUBLISH	HED			6. AERIAL S	SURVEY COMPLETED AUG	GUST 2023.			,	,				
							ERIFICATION NOVEMBER 2023				RATING LOWEST SURVEYER	D SLOPE			
										OVERHEAD TRA	NSMISSION LINE				
										FENCE LINE					
										FOREST AREAS	PENETRATING LOWEST SUF	RVEYED SLOP			
												800'			
												700'			
METRES											-	600'			
T 150												500			
FEET B					OT CUP	RVEYED SLOPE 1.2%									
SHEET 2 400' B 1123					LOWEST SOIL	(VE)						400			
350' 100												300			
250' 75												300			
200' ∰ = FOR RUNWAY DETAILS	TT T	T										200			
58 150' 00 SEE SHEET 3 50 _															
100 25												100			
0 ¹ 且且 0 VERTICAL SCALE (A1/A3)	- (4) (1) (18) 											'0 لـــــــ			
0 (11004')	7 155' 7 (8) 162' (7) 175' (6) 148' 7 (11) 179'	4) (19685') (21325') (22968 RUN\	WAY 11	46') (27887') (29527') (31167') (32808			2500 13000 13500 1010') (42650') (44291')			16000 16500 1700 52493') (54133') (5577					
(11004')	(13123') (14763') (16404') (18044 (7) 155' (6) 148' (7) (10) 175' (7) (10) 175' (7) 110' (7) 179' (7) 181' (7) 186' (7) 186'	# ALL VEGETATION IN TAREAS PENETRATES SURVEYED SLOPE OF 189' 189'	WAY 11 25000 (A1) 250000 (A3) THESE LOWEST	46') (27887') (29527') (31167') (32808		37729') (39370') (4		(45931') (47572')	(49212') (50853') (NCE WITH ICAO ANNEX A	(60695')			
(11004) (3) 108' RUNWAY - QUEARWAY - QOM (295') - 287' RUNWAY STRIP: 3474m (11397') x 300m (984') NWAY: 3354m (11004') x 60m (196') SEALED CLIENT CLEARWAY - QOM (295') - 287' (2) 107' CLIENT	(13123) (14763') (16404') (18044 (13123') (14763') (16404') (18044 (10175') (6) 148' (7) 1179' (7) 1179' (7) 120 181' (7) 188'	# ALL VEGETATION IN TAREAS PENETRATES SURVEYED SLOPE OF 189' 189'	DETAILS	46') (27887') (29527') (31167') (32808	ROVED SCAL S	36 KE SIZE WN A1/A3 RAWN MH	Y DIAGRAM FOR ISSUE NOT FOR CONSTRUCTION APPROVED 1216	THE TYPE A S DEPARTMENT RESULTS OF INFORMATION DANIEL GEEVI REGISTERED aurecon	URVEY HAS BEEN COO'OF DEFENCE REQUITHE SURVEY AND HAIL THE CHART IS CER ES SURVEYOR OBSTACLE	DNDUCTED IN ACCORDA IREMENTS. THE CHART OF A SEEN CHECKED FOR A TIFIED CORRECT FOR PORT RAAF BASE I	NCE WITH ICAO ANNEX A CLEARLY SHOWS THE GRACCURACY AND COMPLE JBLICATION. 2 / /2 / 2 / 2 / 2 / 2 / 3 / 4 / 4 / 4 / 4 / 4 / 4 / 4 / 4 / 4	4 AND RAPHICAL ETENESS			
(11004) (3) 108' RUNWAY RUNWAY STRIP RUNWAY STRIP: 3474m (11397') x 300m (984') NWAY: 3354m (11004') x 60m (196') SEALED RUNWAY: 3254m (11004') x 60m (196') SEALED Australian Australian	(13123') (14763') (16404') (18044 (18044) (18044) (18044) (18044) (18044) (18044) (18044) (18044) (1904) (# ALL VEGETATION IN 1 AREAS PENETRATES SURVEYED SLOPE OF (21) 172' (19) 171' 189' 3' REV DATE REVISION A 14.10.24 FOR REVIEW B 12.11.24 FOR ISSUE	DETAILS	46') (27887') (29527') (31167') (32808	ROVED SCAL (34448') (36089') (3 (36089') (3 (36089') (3 (34448') (36089') (3 (34488') (36089') (3 (34448') (3808') (3 (34448') (3808') (3 (34448') (3808') (3 (34448') (3808') (3 (34448') (3808') (3 (34488') (3808') (3 (34488') (3808') (3 (34488') (3808') (3 (34488') (3808') (3 (34488') (3808'	36 KE E SIZE WN A1/A3	Y DIAGRAM FOR ISSUE NOT FOR CONSTRUCTIC APPROVED	THE TYPE A S DEPARTMENT RESULTS OF INFORMATION DANIEL GEEVI REGISTERED aurecon PROJECT ATE 1/2024 TITLE	URVEY HAS BEEN COOF DEFENCE REQUITE SURVEY AND HAIL THE CHART IS CER OBSTACLE AERODF (OPERATING)	DNDUCTED IN ACCORDA IREMENTS. THE CHART (S BEEN CHECKED FOR PUT) TIFIED CORRECT FOR PUT RAAF BASE I	NCE WITH ICAO ANNEX A CLEARLY SHOWS THE GRACCURACY AND COMPLE JBLICATION. 2 / /2 O2 DATE /EYS AND ASSES DARWIN CHART ICAO TYPESSUED NOVEMBE HEET 1 OF 6	4 AND RAPHICA ETENESS SSMEN PE A ER 202			

DECLARED DISTANCE	ES FOR RUNWAY 29
TAKE OFF RUN AVAILABLE (TORA)	3354m (11004')
TAKE OFF DISTANCE AVAILABLE (TODA)	3444m (11299') 1.0%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	3354m (11004')
LANDING DISTANCE AVAILABLE (LDA)	3354m (11004')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	N/A

LEGEND



NOTES

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 52 THE VERTICAL DATUM BEING AHD.
- 2. HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- 3. USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME

AERONAUTICAL INFORMATION SERVICE – AIR FORCE EMAIL: AIS.AF@DEFENCE.GOV.AU

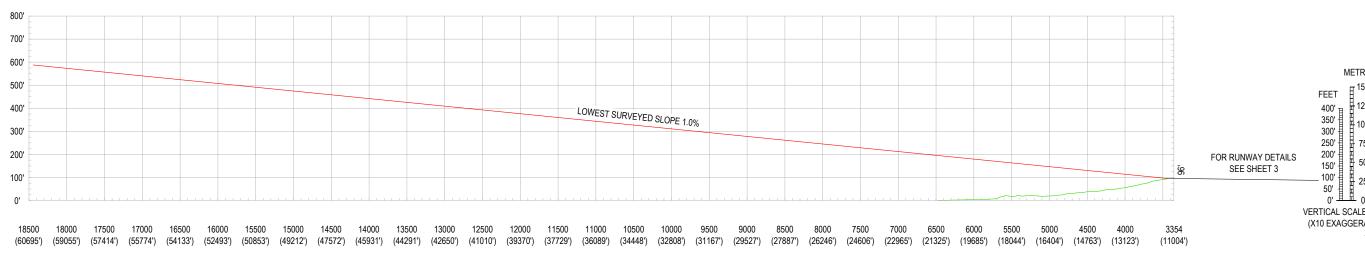
- 4. FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- 5. MAGNETIC VARIATION 2° 15' E (MARCH 2024)
- AERIAL SURVEY COMPLETED AUGUST 2023. GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2023.

LEGEND

OBSTRUCTIONS AND OBSTACLES

- ① OBJECT NUMBER
 - 392' TOP ELEVATION IN FEET
 - TREE(S) OR VEGETATION BUILDING OR LARGE STRUCTURE
 - POLE, TOWER, SPIRE ETC
 - \triangle ANTENNA
 - MOVING (ROADS, RAILWAY TRACKS ETC)
 - TERRAIN PENETRATING LOWEST SURVEYED SLOPE
 - OVERHEAD TRANSMISSION LINE
 - FENCE LINE

NO OBJECTS APPEAR ON THE CHART

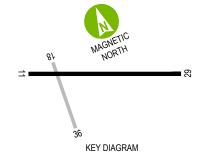


METRES SFF SHEET 1 100 75 50 VERTICAL SCALE (A1/A3) (X10 EXAGGERATION)

RUNWAY 29

RUNWAY STRIP: 3474m (11397') x 300m (984') 3354m (11004') x 60m (196') SEALED

-RUNWAY CLEARWAY RUNWAY STRIP



A1/A3

FOR ISSUE

DANIEL GEEVES

THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

DANIEL GEEVES REGISTERED SURVEYOR

DATE

aurecon www.aurecongroup.com



DATE	REVISION DETAILS	APPROVED	SCALE
14.10.24	FOR REVIEW	DG	AS SHOWN
12.11.24	FOR ISSUE	DG	DRAWN
			MH
			SURVEYED
			KI/AD/AAM
			CHECKED
			GH

OBSTACLE LIMITATION SURVEYS AND ASSESSMENT NOT FOR CONSTRUCTION RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 12/11/2024 RUNWAY 29 - SHEET 2 OF 6 DRAWING No. 520002 - EST09759 - DRG - UU - DAR - 003 - B

DEPARTMENT OF DEFENCE

SECURITY AND ESTATE GROUP

AERODROME OBSTACLE CHART - ICAO TYPE A (OPERATING LIMITATIONS) NOVEMBER 2024, COMPILED BY AURECON

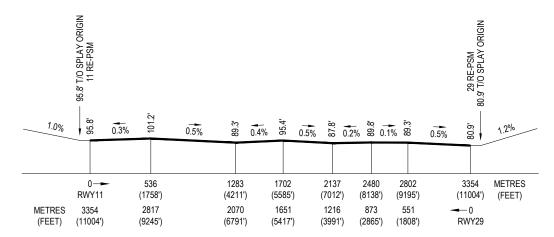
TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

THE ORIGIN OF THE TAKE OF SURFACE IS LOCATED AT THE END OF THE CLEARWAY DISTANCES COMMENCE FROM THE START OF THE TAKE-OFF RUNWAY (SOT)

AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 52 THE VERTICAL DATUM BEING AHD.

DEFINITIONS

- RE-PSM: RUNWAY END PERMANENT SURVEY MARK
- LENGTH OF INNER EDGE 180m
- RATE OF DIVERGENCE OF SPLAY (EACH SIDE) 12.5%
- FINAL WIDTH 1800m
- OVERALL LENGTH 15000m



11/29 RWY LONGITUDINAL SECTION NOT TO SCALE

									RWY 1	1 TAKE	OFF										
					REPSM AT STAF	RT OF TO	RA (REPS	M 11)	_					/AY MAG		Т.	ORA	TO	DA	ELEVATIO	
				GEOG	RAPHIC				N	1GA	ELEVA	ATION		BEARING						ORI	GIN
		LAT				LONG			EASTING	NORTHING	(m)	(Ft)	(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)			, ,	. ,	, -,	` ′	` ′	. ,	` ′	. ,	, ,		
	-12.4093945	-12°	24'	33.820"	130.8652649	130°	51'	54.954"	702772.21	8627466.18	29.2	95.8	106°	39'	12"	3354	11004	3444	11299	24.7	80.9
	1								OBJECTS THA	T APPEAR ON T	HE CHART	Ţ									
				GEOG	RAPHIC				N	1GA	ELEVAT	ION TOP					ICE FROM		OFFSE	ΞT	GRADIENT
REF No		LAT	(2.2.2.)	()		LONG		()	EASTING	NORTHING		()	TYPE	OF OBST	ACLE		OT (=:)			I	ТО ТОР
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)			(m)	(Ft)				(m)	(Ft)	(m)	(Ft)	LEFT/RIGHT	%
1	-12.420614	-12°	25"	14.21"	130.894365	130°	53"	39.71"	705927.92	8626202.57	27.6	90.7		SIGN		3395.7	11140.6	148.8	488.0	R	-
2	-12.419712	-12°	25"	10.96"	130.898330	130°	53"	53.98"	706359.78	8626299.28	32.6	106.9		TREE		3771.2	12372.6	85.3	280.0	L	2.43
3	-12.419703	-12°	25''	10.93"	130.899698	130°	53"	58.91"	706508.47	8626299.23	33.0	108.1		TREE		3911.5	12833.0	134.5	441.2	L	1.78
4	-12.420419	-12°	25"	13.50"	130.903797	130°	54"	13.66"	706953.65	8626216.79	36.4	119.4		TREE		4358.8	14300.7	203.9	669.0	L	1.28
5	-12.420823	-12°	25"	14.96"	130.904685	130°	54"	16.86"	707049.91	8626171.48	43.9	144.0		TREES		4464.7	14647.8	193.0	633.1	L	1.88
6	-12.421000	-12°	25"	15.59"	130.904898	130°	54"	17.63"	707072.92	8626151.72	45.2	148.2		TREES		4492.9	14740.5	181.9	596.9	L	1.96
7	-12.421293	-12°	25"	16.65"	130.905436	130°	54"	19.57"	707131.25	8626118.87	47.1	154.6		TREES		4558.8	14956.7	170.2	558.5	L	2.02
8	-12.421687	-12°	25"	18.07"	130.906866	130°	54"	24.71"	707286.41	8626074.11	49.7	162.9		TREES		4720.0	15485.6	179.3	588.3	L	1.96
9	-12.423209	-12°	25"	23.55"	130.906368	130°	54"	22.92"	707231.02	8625906.13	42.7	140.0		VOR		4723.3	15496.4	2.5	8.1	L	1.41
10	-12.421281	-12°	25"	16.61"	130.907734	130°	54"	27.84"	707381.13	8626118.42	53.3	174.8		TREES		4794.7	15730.8	252.4	828.2	L	2.12
11	-12.421930	-12°	25"	18.94"	130.908272	130°	54"	29.77"	707439.12	8626046.14	54.6	179.0		TREES		4873.4	15988.7	203.4	667.4	L	2.09
12	-12.421863	-12°	25"	18.70"	130.909292	130°	54"	33.45"	707550.08	8626052.81	55.3	181.5	67	TREES	17	4975.9	16325.0	246.4	808.4	L .	2.00
13	-12.421824	-12°	25"	18.56"	130.909739	130°	54"	35.06"	707598.72	8626056.73	48.0	157.5	-			5020.5	16471.3	266.2	873.3	L	1.48
14	-12.423469	-12°	25"	24.48"	130.909289	130°	54"	33.44"	707548.53	8625875.10	48.2	158.2		REETLIGI		5033.2	16513.0	78.2	256.6	L	1.48
15	-12.424265	-12°	25"	27.35"	130.909155	130°	54"	32.95"	707533.31	8625787.12	48.2	158.3	51	REETLIGI	11	5047.9	16561.4	9.8	32.3	R	1.47
16	-12.422029	-12°	25"	19.30"	130.910039	130°	54"	36.14"	707631.21	8626033.81 8625636.78	56.6	185.6		TREES		5058.7	16596.8	255.3	837.6	L	1.98
17	-12.425619	-12°	25"	32.22"	130.909881	130°	54"	35.57"	707611.20		57.2	187.6				5171.1	16965.6	126.0	413.2	R	1.88
18	-12.426535 -12.428468	-12°	25"	35.52"	130.910928	130°	54"	39.34"	707724.27 708005.46	8625534.60	57.5	188.8		TREES		5311.6	17426.5	185.0	606.9	R	1.76
19		-12°	25"	42.48"	130.913528	130°	54"	48.70"		8625318.78	52.1	171.0		BUILDING)	5648.3	18531.2	295.6	969.9	R	1.25
20	-12.425086 -12.428457	-12°	25" 25"	30.30" 42.44"	130.914785 130.914101	130°	54" 54"	53.22" 50.76"	708144.83 708067.79	8625691.92 8625319.44	54.1	177.6 171.7		TREE	2	5656.4 5706.9	18557.8 18723.5	102.6 274.4	336.5 900.3	L R	1.33
	-12.42043/	-12	23	42.44	130.914101	130	34	30.76	/0000/./9	0023319.44	32.3	1/1./		DOILDING	,	3700.9	10/23.5	2/4.4	300.3	_ n	1.22

									RWY 2	29 TAKE	OFF										
					REPSM AT STAI	RT OF TO	RA (REPS	M 29)						/AY MAG		т.	ORA	TC)DA	ELEVATIO	
				GEOG	RAPHIC				MGA		ELEVATION		BEARING			TORA		TODA		ORIGIN	
		LAT				LONG			EASTING	ING NORTHING	(m)	(Ft)	(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)	LASTING	HOMITIME	(,	(,	(520)	(,	(520)	(,	()	(,	(,	(,	(, ,
	-12.4192200	-12°	25'	09.192"	130.8944462	130°	53'	40.006"	705937.82	8626356.73	24.7	80.9	286°	39'	12"	3354	11004	3444	11299	29.2	95.8
									OBJECTS THA	T APPEAR ON TI	HE CHAR	Г									
				GEOG	RAPHIC				N	/IGA	ELEVAT	ION TOP					ICE FROM		OFFSI	Τ	GRADIENT
REF No		LAT				LONG			EASTING	NORTHING			TYPE OF OBSTACLE			SOT					ТО ТОР
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)			(m)	(Ft)				(m)	(Ft)	(m)	(Ft)	LEFT/RIGHT	%
							⊢ NC	OR.II	CTS A	PPEAR	CN 1	THF (CHAF	RT –							
							_ ' ' `	, OD01	_0107		<u> </u>	· · · · ·	J 17 (1	`' _							
-																-					
											L		L					1			

THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

DANIEL GEEVES REGISTERED SURVEYOR aurecon

DATE

aurecon www.aurecongroup.com



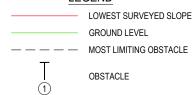
ΕV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE
Α	14.10.24	FOR REVIEW	DG	AS SHOWN	A1/A3
В	12.11.24	FOR ISSUE	DG	DRAWN	
				MH	
				SURVEYED	
				KI/AD/AAM	
				CHECKED	
				GH	

FOR ISSUE NOT FOR CONSTRUCTION 12/11/2024 DRAWING No. 520002 - EST09759 - DRG - UU - DAR - 004 - B DANIEL GEEVES

OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 RUNWAY 11/29 - SHEET 3 OF 6

DECLARED DISTANCI	ES FOR RUNWAY 18
TAKE OFF RUN AVAILABLE (TORA)	1524m (5000')
TAKE OFF DISTANCE AVAILABLE (TODA)	1584m (5197') 2.34%
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	1524m (5000')
LANDING DISTANCE AVAILABLE (LDA)	1524m (5000')
SUPPLEMENTARY TAKE OFF DISTANCE AVAILABLE (STODA)	1523m (4996') 1.6%, 1553m (5095') 1.9%, 1561m (5121') 2.0%,

LEGEND



NOTES

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 52 THE VERTICAL DATUM BEING AHD
- 2. HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- 3. USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME

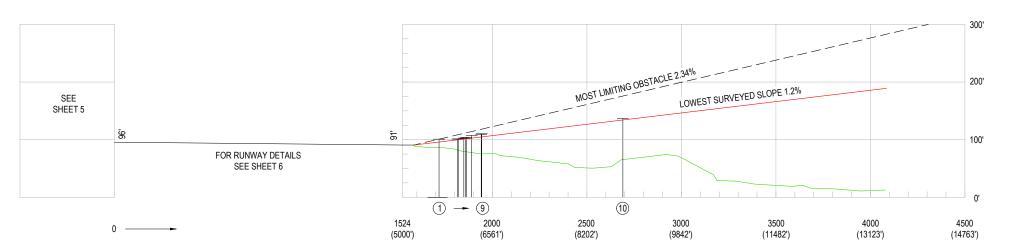
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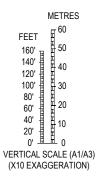
- 4. FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- 5. MAGNETIC VARIATION 2° 15' E (MARCH 2024)
- AERIAL SURVEY COMPLETED AUGUST 2023. GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2023.



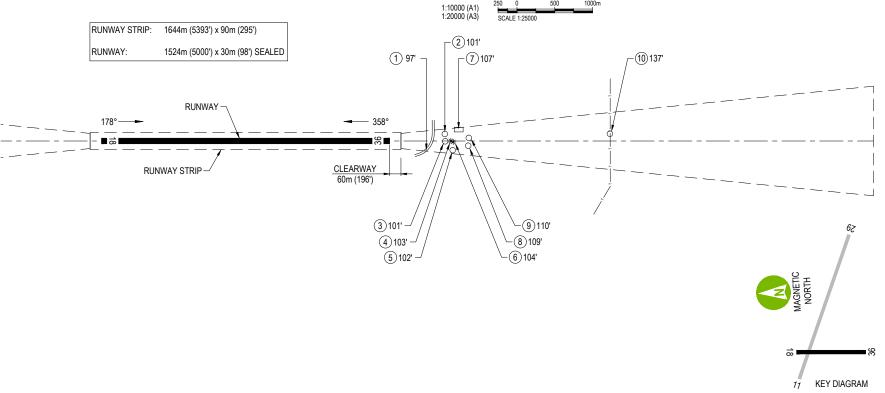
OBSTRUCTIONS AND OBSTACLES

- ① OBJECT NUMBER
 - 392' TOP ELEVATION IN FEET
- TREE(S) OR VEGETATION BUILDING OR LARGE STRUCTURE
- POLE, TOWER, SPIRE ETC
- \triangle ANTENNA
- MOVING (ROADS, RAILWAY TRACKS ETC)
- TERRAIN PENETRATING LOWEST SURVEYED SLOPE
- OVERHEAD TRANSMISSION LINE
- FENCE LINE





RUNWAY 18



THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

DANIEL GEEVES REGISTERED SURVEYOR DATE

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RUNWAY 18 SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 2" TAKE-OFF PARAMETERS:

LENGTH OF INNER EDGE - 80m

FINAL WIDTH - 580m

OVERALL LENGTH - 2500m

RATE OF DIVERGENCE (EACH SIDE) - 10%

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The state of the s
Australian Government
Department of Defence
Security and Estate Group

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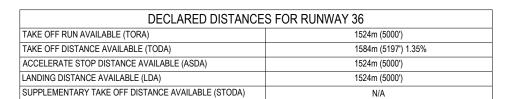
DATE	REVISION DETAILS	APPROVED	SCALE	SI
14.10.24	FOR REVIEW	DG	AS SHOWN	A1
12.11.24	FOR ISSUE	DG	DRAWN	
			MH	
			SURVEYED KI/AD/AAM	
			=	
			CHECKED	
			GH	

FOR ISSUE NOT FOR CONSTRUCTION 12/11/2024

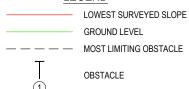
DANIEL GEEVES

520002 -EST09759- DRG - UU - DAR - 005 - B

OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 RUNWAY 18 - SHEET 4 OF 6



LEGEND



NOTES

- AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 52 THE VERTICAL DATUM BEING AHD
- 2. HORIZONTAL DIMENSIONS IN METRES (FEET) ELEVATIONS IN FEET
- USERS OF THIS CHART SHOULD NOTIFY ANY ERRORS OR OMISSIONS AS SOON AS THEY BECOME

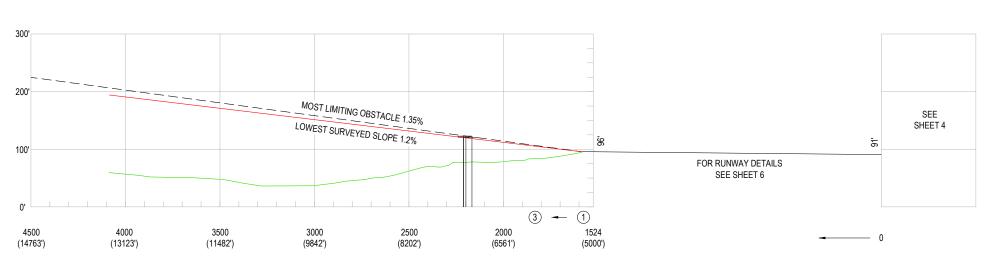
AERONAUTICAL INFORMATION SERVICE – AIR FORCE EMAIL: AIS.AF@DEFENCE.GOV.AU

- 4. FOR FURTHER INFORMATION REGARDING THIS CHART CONTACT THE ABOVE
- 5. MAGNETIC VARIATION 2° 15' E (MARCH 2024)
- AERIAL SURVEY COMPLETED AUGUST 2023. GROUND SURVEY CHECKS AND VERIFICATION NOVEMBER 2023.

LEGEND

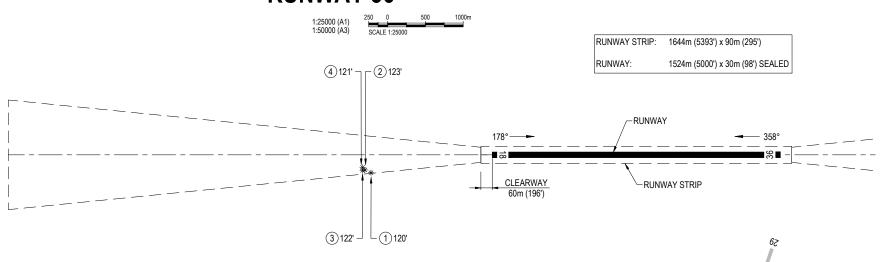
OBSTRUCTIONS AND OBSTACLES

- OBJECT NUMBER
 - 392' TOP ELEVATION IN FEET
 - TREE(S) OR VEGETATION BUILDING OR LARGE STRUCTURE
 - POLE, TOWER, SPIRE ETC
 - \triangle ANTENNA
 - MOVING (ROADS, RAILWAY TRACKS ETC)
- TERRAIN PENETRATING LOWEST SURVEYED SLOPE
 - OVERHEAD TRANSMISSION LINE
 - FENCE LINE



METRES FEET 140' -120' -100' -80' -60' -40' 20' VERTICAL SCALE (A1/A3) (X10 EXAGGERATION)

RUNWAY 36



RUNWAY 36 SURVEY HAS BEEN ASSESSED BASED ON THE FOLLOWING "CODE 2" TAKE-OFF PARAMETERS: LENGTH OF INNER EDGE - 80m RATE OF DIVERGENCE (EACH SIDE) - 10% FINAL WIDTH - 580m OVERALL LENGTH - 2500m

11 KEY DIAGRAM

FOR ISSUE

DANIEL GEEVES

THE TYPE A SURVEY HAS BEEN CONDUCTED IN ACCORDANCE WITH ICAO ANNEX 4 AND DEPARTMENT OF DEFENCE REQUIREMENTS. THE CHART CLEARLY SHOWS THE GRAPHICAL RESULTS OF THE SURVEY AND HAS BEEN CHECKED FOR ACCURACY AND COMPLETENESS OF INFORMATION. THE CHART IS CERTIFIED CORRECT FOR PUBLICATION.

DANIEL GEEVES REGISTERED SURVEYOR DATE

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DATE	REVISION DETAILS	APPROVED	SCALE	SIZ
14.10.24	FOR REVIEW	DG	AS SHOWN	A1/
12.11.24	FOR ISSUE	DG	DRAWN	
			MH	
			SURVEYED	
			KI/AD/AAM	
			CHECKED	
			GH	

NOT FOR CONSTRUCTION 12/11/2024

OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A (OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 RUNWAY 36 - SHEET 5 OF 6 520002 -EST09759- DRG - UU - DAR - 006 - B

DEPARTMENT OF DEFENCE

SECURITY AND ESTATE GROUP

AERODROME OBSTACLE CHART - ICAO TYPE A (OPERATING LIMITATIONS) NOVEMBER 2024, COMPILED BY AURECON

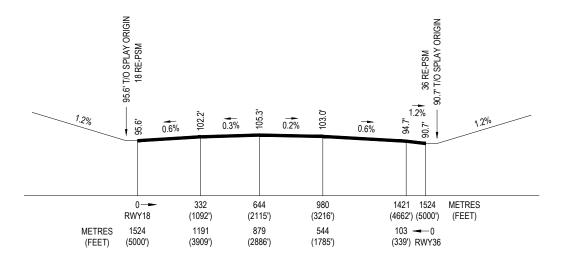
TO BE READ IN CONJUNCTION WITH CURRENT NOTAMS

THE ORIGIN OF THE TAKE OF SURFACE IS LOCATED AT THE END OF THE CLEARWAY DISTANCES COMMENCE FROM THE START OF THE TAKE-OFF RUNWAY (SOT)

AZIMUTH AND COORDINATES FOR THIS SURVEY ARE BASED ON MGA (GDA2020) ZONE 52 THE VERTICAL DATUM BEING AHD.

DEFINITIONS

- RE-PSM: RUNWAY END PERMANENT SURVEY MARK
- LENGTH OF INNER EDGE 80m
- RATE OF DIVERGENCE OF SPLAY (EACH SIDE) 10%
- FINAL WIDTH 580m
- OVERALL LENGTH 2500m



18/36 RWY LONGITUDINAL SECTION NOT TO SCALE

									RWY 1	L8 TAKE	OFF										-				
				1	REPSM AT START	OF TOR	A (REPSM	18)					RUNW	/AY MAG	NETIC		.D.A	TO	- DA	ELEVATIO	ON AT T.O.				
				GEOG	RAPHIC				MGA		ELEVA	ELEVATION BEARING			TORA		TODA		ORI	IGIN					
		LAT			LONG			FACTINIC	NODTUNG	(100)	(54)	(DEC) (MAIN) (CEC)		()	(54)	(100)	(54)	()	(54)						
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)	EASTING	NORTHING	(m)	(Ft)	(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)				
	-12.4088287	-12°	24'	31.783"	130.8706601	130°	52'	14.377"	703359.36	8627524.66	29.1	95.6	177°	35'	02"	1524	5000	1584	5197	27.6	90.7				
			•	•		•	•		OBJECTS THA	T APPEAR ON	ГНЕ СНАГ	RT													
				GEOG	RAPHIC			M	1GA	EL EV / A T	ON TOP				DIST	ANCE	E oss			GRADIEN					
REF No		LAT				LONG	i		EASTING			ELEVATION TOP		TYPE OF OBSTACLE		TYPE OF OBSTACLE		TYPE OF OBSTACLE		FROM SOT		OFFSE		:1	ТО ТОР
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)	EASTING	NORTHING	(m)	(Ft)			(m)	(Ft)	(m)	(Ft)	LEFT/RIGHT	%					
1	-12.424354	-12°	25''	27.67"	130.870247	130°	52"	12.88"	703302.35	8625807.36	30.7	100.9	MOVING		1717.3	5634.3	49.7	163.0	R	2.34					
2	-12.425245	-12°	25''	30.88"	130.871046	130°	52"	15.76"	703388.54	8625708.12	30.8	101.1	ST	REETLIGI	-T	1816.2	5958.6	36.9	121.2	L	1.38				
3	-12.425267	-12°	25''	30.96"	130.870690	130°	52"	14.48"	703349.81	8625705.95	30.9	101.2	ST	REETLIGI	-IT	1818.5	5966.3	1.8	5.9	R	1.37				
4	-12.425539	-12°	25''	31.93"	130.870714	130°	52"	14.57"	703352.22	8625675.92	31.3	102.8		TREE		1848.5	6064.8	0.8	2.5	L	1.41				
5	-12.425628	-12°	25''	32.25"	130.870258	130°	52"	12.92"	703302.59	8625666.41	31.1	102.2		POLE		1858.3	6096.7	48.8	160.2	R	1.28				
6	-12.425653	-12°	25''	32.34"	130.870659	130°	52"	14.37"	703346.19	8625663.36	31.7	104.1		TREE		1861.1	6106.1	5.2	17.1	R	1.48				
7	-12.425912	-12°	25''	33.28"	130.871264	130°	52''	16.55"	703411.73	8625634.20	32.7	107.3	1	BUILDING	ì	1890.0	6200.8	60.4	198.3	L	1.66				
8	-12.426368	-12°	25''	34.92"	130.870479	130°	52"	13.72"	703325.97	8625584.32	33.3	109.4	PC	OWERPO	LE	1940.2	6365.6	25.1	82.4	R	1.61				
9	-12.426394	-12°	25''	35.01"	130.870860	130°	52"	15.09"	703367.40	8625581.17	33.6	110.2	PC	OWERPO	LE	1943.2	6375.4	16.3	53.6	L	1.66				
10	-12.433143	-12°	25''	59.31"	130.871081	130°	52"	15.89"	703386.18	8624834.29	41.7	136.7	ı	IV PYLON	1	2689.9	8825.2	38.3	125.7	L	1.27				

									RWY 3	36 TAKE	OFF										
REPSM AT START OF TORA (REPSM 36)											RUNWAY MAGNETIC			TORA		TODA		ELEVATION AT T.O.			
	GEOGRAPHIC						MGA		ELEV	NOITA	TION F		BEARING		TURA		IDA	ORIGIN			
	LAT				LONG			FACTING	NORTHING	(m)	(Ft)	(DEG)	(MIN)	(SEC)	(m)	(Ft)	(m)	(Ft)	(m)	(Ft)	
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)	EASTING	NORTHING	(111)	(FL)	(DEG)	(IVIIIV)	(SEC)	(111)	(FL)	(111 <i>)</i>	(FL)	(111)	(FL)
	-12.4226101	-12°	25'	21.397"	130.8706988	130°	52'	14.516"	703352.85	8625999.92	27.6	90.7	357°	35'	02"	1524	5000	1584	5197	29.1	95.6
									OBJECTS THA	T APPEAR ON 1	HE CHAP	RT									
REF No	GEOGRAPHIC							M	1GA ELEVATION TOP				DISTANCE		OFFSET		т.	GRADIENT			
	LAT				LONG			EASTING NORT	NORTHING			TYPE OF OBSTACLE		FROM SOT		OFFSET		-1	ТО ТОР		
	DECIMAL DEG	(DEG)	(MIN)	(SEC)	DECIMAL DEG	(DEG)	(MIN)	(SEC)	LASTING	NORTHING	(m)	(Ft)			(m)	(Ft)	(m)	(Ft)	LEFT/RIGHT	%	
1	-12.403031	-12°	24''	10.91"	130.869774	130°	52"	11.18"	703267.43	8628166.72	36.5	119.9	TREE		2166.2	7106.8	94.7	310.5	L	1.27	
2	-12.402742	-12°	24''	09.87"	130.869908	130°	52''	11.66"	703282.23	8628198.65	37.4	122.8	TREE		2198.2	7211.8	80.0	262.4	L	1.35	
3	-12.402631	-12°	24''	09.47"	130.869883	130°	52''	11.57"	703279.60	8628210.91	37.3	122.2		TREE		2210.4	7252.0	82.7	271.2	L	1.30
4	-12.402628	-12°	24''	09.46"	130.870026	130°	52"	12.09"	703295.20	8628211.15	36.8	120.6	TREE		2210.7	7253.0	67.1	220.1	L	1.21	

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DANIEL GEEVES REGISTERED SURVEYOR aurecon

12/11/2024 DATE

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REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	
		FOR REVIEW	DG	AS SHOWN	A1/A3	
В	12.11.24	FOR ISSUE	DG	DRAWN		
				MH		
				SURVEYED		
				KI/AD/AAM		
				CHECKED		
				GH		
				Gn		

FOR ISSUE NOT FOR CONSTRUCTION 12/11/2024

DANIEL GEEVES

OBSTACLE LIMITATION SURVEYS AND ASSESSMENT RAAF BASE DARWIN AERODROME OBSTACLE CHART ICAO TYPE A

(OPERATING LIMITATIONS) ISSUED NOVEMBER 2024 RUNWAY 18/36 - SHEET 6 OF 6

DRAWING No. 520002 - EST09759 - DRG - UU - DAR - 007 - B