CASA MANUAL OF STANDARDS PART 139 - AERODROMES
OBSTACLE RESTRICTION AND LIMITATION SURFACES TABLE OF VALUES

DARWIN INTERNATIONAL AIRPORT (YPDN)

RUNWAY 11/29 - 3354 x 60m (300m RWS)

RUNWAY 18/36 - 1524 x 30m (90m RWS)

AIRPORT	
ARP ELEVATION	REFERENCE ELEV DATUM
28.711	28.5

HORIZONTAL SURFACES					
OUTER HORIZONTAL ELEV	OUTER HORIZONTAL HEIGHT	OUTER HORIZONTAL RADIUS	INNER HORIZONTAL ELEV	INNER HORIZONTAL HEIGHT	INNER HORIZONTAL RADIUS
178.50	150	15000	73.50	45	4,000

APPROACH SURFACES												
RWY	CODE	INSTR. TYPE	INNER EDGE ELEV	LENGTH OF INNER EDGE	DIST FM THR	DIVERG-ENCE EACH SIDE	FIRST SECTION		SECOND SECTION		HORIZ SECTION LENGTH	TOTAL LENGTH
							LENGTH	SLOPE	LENGTH	SLOPE		
11	4	INSTR-NP	29.168	300	60	15%	3,000	2%	3,600	2.5%	8,400	15,000
29	4	CAT I	24.624	300	60	15%	3,000	2%	3,600	2.5%	8,400	15,000
18	2	NON-INSTR	29.127	80	60	10%	2,500	4%	-	-	-	2,500
36	2	INSTR-NP	27.600	90	60	15%	2,500	3.33%	-	-	-	2,500

TRANSITIONAL SURFACES		
RUNWAY	CODE	SLOPE
11	4	14.3%
29	4	14.3%
18	2	20.0%
36	2	20.0%

TAKE-OFF CLIMB SURFACES								
RUNWAY	CODE	INNER EDGE ELEVATION	LENGTH OF INNER EDGE	DISTANCE FM RWY END	DIVERGENCE EACH SIDE	OVERALL LENGTH	FINAL WIDTH	SLOPE
11	4	24.624	180	60	12.5%	15,000	1,800	2%
29	4	29.168	180	60	12.5%	15,000	1,800	2%
18	2	27.600	80	60	10%	2,500	580	4%
36	2	29.127	80	60	10%	2,500	580	4%

NOTES:

1) UNIT DISTANCES AND LENGTHS SHOWN IN METRES (m)
2) UNIT DATUM AND ELEVATIONS SHOWN IN METRES (m) AHD
3) CONTOUR INTERVALS MAJOR 10m
4) HP = HORIZONTAL PLANE
5) GRID REFERENCE WGS84
6) THE AIRPORT IS MAINTAINING 300m & 90m WIDE RWS IN THE INTEREST OF SAFEGUARDING AT THIS STAGE. THE CHANGE TO ICAO ANNEX 14 CRITERIA WILL BE CONSIDERED IN THE FUTURE AS PART OF A MANAGED PROCESS THAT INCORPORATES ALL OF THE REGULATORY IMPLICATIONS BEYOND THE DECLARING OF AIRSPACE.

LEGEND:

- OUTER HORIZONTAL SURFACE
- INNER HORIZONTAL SURFACE
- CONICAL SURFACE
- TAKE-OFF SURFACE
- APPROACH SURFACE
- TRANSITIONAL SURFACE

0 2 4 6 8KM

SCALE 1:150,000 ON A3

REV	DATE	DRAFTING CHECK	DESIGN REVIEW	APPR	AMENDMENT
1	05/05/23	MC	RR	JC	INITIAL ISSUE

Darwin International Airport
PO Box 40996, Casuarina, Northern Territory 0811
Ph: +61 (0) 8 8920 1811 Email: InformationDarwin@adgnt.com.au

PROJECT
CLIENT: DARWIN INTERNATIONAL AIRPORT PTY LTD
AIRPORT: DARWIN AIRPORT
PROJECT: PANS-OPS 2023

AV3D
AV3D PTY. LTD. WWW.AV3D.COM.AU

COPYRIGHT
This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the prior written permission from AV3D Pty Ltd.
AV3D Pty Ltd does not provide any warranties and accepts no liability arising out of the use of this drawing for any purpose other than originally intended.

APPROVALS	
DRAWN J.CHRISTISON	DATE 05/05/23
CHECKED R.ROMANO	DATE 05/05/23
APPROVED J.CHRISTISON	DATE 05/05/23

TITLE
DARWIN INTERNATIONAL AIRPORT
OBSTACLE LIMITATION SURFACES (OLS)
EXISTING 2 RUNWAYS

DATUM	SCALE	DRAWING No	SHEET	REV
GDA94-52	1:150,000	YPDN-2RWY-EXI-OLS-1A	1 OF 3	1

PROJ: 2204-1 File: YPDN-2RWY-EXI-OLS-1A.dgn Model: Default Printed: 1/09/2023 4:24:41 PM pltcfg: PDF - 50% CLR raster,pltcfg pentbl: txtsub.tbl