

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

# BRISBANE INTERNATIONAL AIRPORT (YBBN)

RUNWAY 01L/19R - 3600 x 60m (300m RWS)  
RUNWAY 01R/19L - 4040 x 45m (300m RWS)

AIRPORT	
ARP ELEVATION	REFERENCE ELEV DATUM
3,962	3.5

HORIZONTAL SURFACES					
OUTER HORIZONTAL ELEV	OUTER HORIZONTAL HEIGHT	OUTER HORIZONTAL RADIUS	INNER HORIZONTAL ELEV	INNER HORIZONTAL HEIGHT	INNER HORIZONTAL RADIUS
153.50	150	15000	48.50	45	4,000

APPROACH SURFACES												
RWY	CODE	INSTR. TYPE	INNER EDGE ELEV	LENGTH OF INNER EDGE	DIST FM THR	DIVERGENCE EACH SIDE	FIRST SECTION		SECOND SECTION		TOTAL LENGTH	
							LENGTH	SLOPE	LENGTH	SLOPE		
01L	4	PREC INST	4,066	300	60	15%	3,000	2%	3,600	2.5%	8,400	15,000
19R	4	PREC INST	4,066	300	60	15%	3,000	2%	3,600	2.5%	8,400	15,000
01R	4	PREC INST	3.6	300	60	15%	3,000	2%	3,600	2.5%	8,400	15,000
19L	4	PREC INST	3.2	300	60	15%	3,000	2%	3,600	2.5%	8,400	15,000

TRANSITIONAL SURFACES		
RUNWAY	CODE	SLOPE
01L	4	14.3%
19R	4	14.3%
01R	4	14.3%
19L	4	14.3%

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
01L	4	4,066	180	60	12.5%	18,750"	1,800	1.6%
19R	4	4,066	180	60	12.5%	18,750"	1,800	1.6%
01R	4	3.3	180	60	12.5%	18,750"	1,800	1.6%
19L	4	3.8	180	60	12.5%	18,750"	1,800	1.6%

NOTES:

- AIRPORT DIMENSIONS COMPLY WITH CASA MOS 139 (VER 1.14 - JAN 2017)
- REFER TO NOTE (E) IN TABLE 7.1-2: TAKE-OFF RUNWAYS IN CASA MOS 139 (VER 1.14 - JAN 2017)
- UNIT DISTANCES AND LENGTHS SHOWN IN METRES (m)
- UNIT DATUM AND ELEVATIONS SHOWN IN METRES (m) AHD
- CONTOUR INTERVALS MAJOR 10m
- HP = HORIZONTAL PLANE
- GRID REFERENCE WGS84

LEGEND:

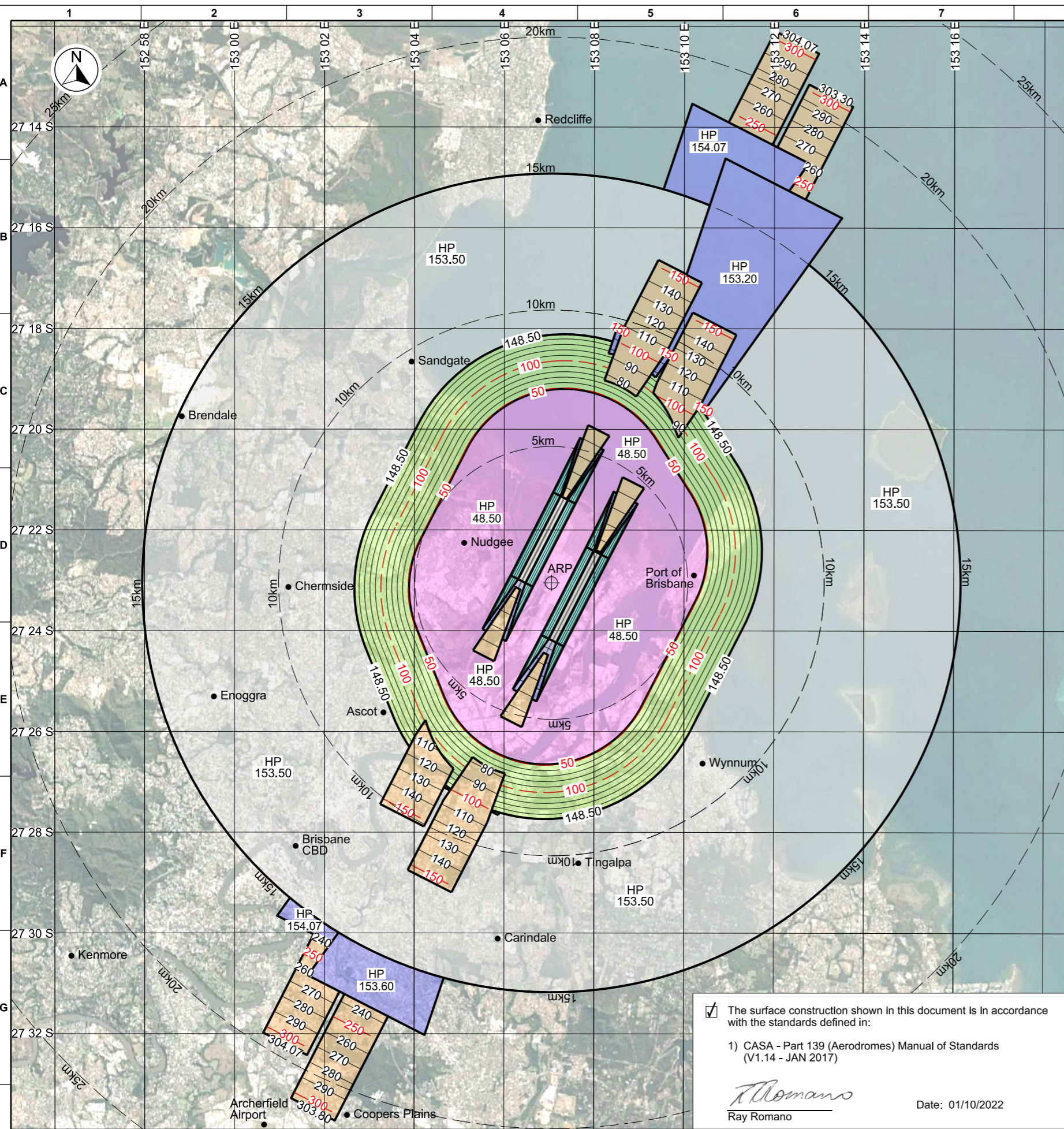
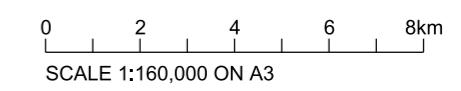
- OUTER HORIZONTAL SURFACE
- INNER HORIZONTAL SURFACE
- CONICAL SURFACE
- TAKE-OFF SURFACE
- APPROACH SURFACE
- TRANSITIONAL SURFACE

The surface construction shown in this document is in accordance with the standards defined in:

- CASA - Part 139 (Aerodromes) Manual of Standards (V1.14 - JAN 2017)

*Ray Romano*  
Ray Romano

Date: 01/10/2022



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REV	DATE	DRAFTING CHECK	DESIGN REVIEW	APPR	AMENDMENT
1	01/10/22	RR	ASA	JC	INITIAL RELEASE



CLIENT  
BRISBANE AIRPORT CORPORATION PTY LTD

AIRPORT  
BRISBANE INTERNATIONAL AIRPORT (YBBN)

PROJECT  
PRESCRIBED AIRSPACE 2022



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APPROVALS		DATE
DRAWN	J.CHRISTISON	01/10/22
CHECKED	R.ROMANO	01/10/22
APPROVED	R.ROMANO	01/10/22

TITLE					SHEET	REV
BRISBANE INTERNATIONAL AIRPORT OBSTACLE LIMITATION SURFACES (OLS) FUTURE AIRPORT					1 OF 4	1
DATUM	SCALE	DRAWING No				
GDA94 56	1:160,000	YBBN-2RWY-ULT-OLS-1				