

SYDNEY (KINGSFORD-SMITH) AIRPORT, AUSTRALIA
AERONAUTICAL INFORMATION PUBLICATION
AERODROME OBSTACLE CHART (DECEMBER 2018)
ICAO ANNEX 4 TYPE A (OPERATING LIMITATIONS)
(34R TAKE OFF)

(ALL OBSTACLES PENETRATING THE 1.2% SURFACE)

The origin of the surface is located at the end of the clearway

The total length of the area is 10000 metres (5.4 NM)

The area is splayed at 12.5% (7° 08')

The surface has a gradient of 1.2%

Chainages commence from the start of the Take Off run available

Datum for bearings and co-ordinates is the Map Grid of Australia (MGA94)

Datum for heights (HT) is the Australian Height Datum (AHD)

NB: The published height relating to roads include a height between 2.5m and 4.6m for transient obstacles.
NB: The published height relating to railways include a 5.3m height for transient obstacles.
NB: Obstacle database used for reduction: Obst 190130.red

Sydney Kingsford-Smith Airport							34R Take Off	
Mid-point of origin		Runway Bearing	Height at		Runway Length	Chainage at Origin	Height at Origin	
<u>Easting</u>	<u>Northing</u>		Chainage 00					
(MGA94)	(MGA94)	(Deg Min Sec)	(m)	(ft)	(metres)	(metres)	m	(ft)
332571.925	6242010.054	346° 47' 03"	4.010	(13.2)	2438.0	2498.0	4.984	(16.4)

EXPLANATION OF SPECIFIC TERMS

Chart No.

Chart Identification Number, shown on the respective Type A Chart for the current year, denoting only the Significant Obstacles.
Note: 1. These numbers are regenerated with each survey and may vary from one year to the next.
2. The previous year's Chart No is also supplied for cross-referencing purposes.

Reference Number

Surveyor Identification Number - A unique sequential number allocated during surveys to identify an obstacle. This number does not change.

Type of Obstacle

ICAO Identification as displayed on Type A Chart and shown on that chart's legend.

Description

General description of the respective obstacle.

Chart No. (2018)	Chart No. (2017)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport
					metres	(feet)									
39	39	418	332545.7	6242699.3	24.4	80.1	13.1	11.3	TREE	3175.0	132 East	2.9	Tree	Jan 19	Y
		424	332391.8	6242479.4	17.4	57.1	11.0	6.4	SPIRE	2996.1	68.1 West	2.5	Flood light	Nov 18	N
		590	332576.4	6242380.5	12.1	39.7	9.3	2.8	SPIRE	2857.6	89.1 East	2.0	Flood light atop advertising sign	Nov 18	Y
		658	332352.5	6242712.0	15.3	50.2	13.8	1.5	SPIRE	3231.6	53.1 West	1.4	Light Pole	Nov 18	Y
		662	332347.5	6242685.8	14.9	48.9	13.5	1.4	SPIRE	3207.2	64 West	1.4	Light Pole	Nov 18	Y
		664	332295.0	6242725.4	15.2	49.9	14.1	1.1	SPIRE	3257.7	106 West	1.3	Light Pole	Nov 18	Y
		666	332305.2	6242689.9	14.3	46.9	13.7	0.6	SPIRE	3220.9	104.2 West	1.3	Light Pole	Nov 18	Y
		668	332268.2	6242736.4	15.5	50.9	14.3	1.2	SPIRE	3274.5	129.7 West	1.4	Light Pole	Nov 18	Y
		670	332226.9	6242790.2	15.5	50.9	15.0	0.4	SPIRE	3336.3	157.5 West	1.3	Light Pole	Jan 18	Y
		672	332239.6	6242750.9	15.3	50.2	14.6	0.8	SPIRE	3295.2	154.2 West	1.3	Light Pole	Nov 18	Y
		674	332234.1	6242725.9	15.5	50.9	14.3	1.2	SPIRE	3272.2	165.3 West	1.4	Light Pole	Nov 18	Y
		676	332194.3	6242779.6	15.2	49.9	15.0	0.2	SPIRE	3333.5	191.7 West	1.2	Light Pole	Jan 18	Y
		678	332207.2	6242739.6	15.3	50.2	14.5	0.8	SPIRE	3291.7	188.3 West	1.3	Light Pole	Nov 18	Y
		766	332074.8	6246713.2	68.8	225.7	61.3	7.5	ANTEN	7190.2	591.2 East	1.4	Mobile Phone Tower atop building (lit)	Nov 18	N
		1145	332382.2	6242305.9	11.5	37.7	9.0	2.5	SPIRE	2829.4	117 West	2.0	Perimeter Fence Floodlight	Nov 18	Y
		1146	332404.1	6242317.4	11.7	38.4	9.0	2.6	SPIRE	2835.5	93.1 West	2.0	Perimeter Fence Floodlight	Nov 18	Y
		1147	332420.1	6242337.6	11.7	38.4	9.2	2.5	SPIRE	2851.6	73 West	1.9	Perimeter Fence Floodlight	Nov 18	Y
		1148	332438.0	6242353.9	11.8	38.7	9.4	2.4	SPIRE	2863.4	51.8 West	1.9	Perimeter Fence Floodlight	Nov 18	Y
		1149	332462.6	6242361.1	11.7	38.4	9.4	2.3	SPIRE	2864.8	26.2 West	1.8	Perimeter Fence Floodlight	Nov 18	Y
		1150	332488.2	6242356.9	11.2	36.7	9.3	1.9	SPIRE	2854.8	2.2 West	1.7	Perimeter Fence Floodlight	Nov 18	Y
		1151	332517.2	6242357.8	10.6	34.8	9.2	1.4	SPIRE	2849.0	26.2 East	1.6	Perimeter Fence Floodlight	Nov 18	Y
		1152	332515.9	6242328.6	10.5	34.4	8.9	1.7	SPIRE	2820.9	18.3 East	1.7	Perimeter Fence Floodlight	Nov 18	Y
44		1189	332341.5	6243956.1	48.8	160.1	28.4	20.4	BLDG	4445.2	220.6 East	2.3	BUILD/HOUSE/SHED	Jan 19	N
		1239	332559.3	6242695.7	18.5	60.7	13.0	5.5	BLDG	3168.4	144.5 East	2.0	CHIMNEY	Nov 16	Y
40		1241	332580.9	6242713.6	22.4	73.5	13.2	9.2	TREE	3180.8	169.5 East	2.6	TREE	Jan 18	Y
		1249	332139.0	6243472.9	25.3	83.0	23.3	2.1	SPIRE	4021.0	87 West	1.3	FLOOD LIGHT	Nov 18	Y
		1250	332164.6	6243468.6	25.4	83.3	23.1	2.2	SPIRE	4011.0	63.1 West	1.4	FLOOD LIGHT	Nov 18	Y
		1251	332189.6	6243465.1	25.5	83.7	23.0	2.5	SPIRE	4001.9	39.5 West	1.4	FLOOD LIGHT	Nov 18	Y
		1374	332481.5	6242794.3	16.3	53.5	14.4	2.0	SPIRE	3282.2	91.3 East	1.5	Flood Light	Nov 14	Y
		1375	332531.4	6242806.1	16.5	54.1	14.4	2.1	SPIRE	3282.3	142.5 East	1.5	Flood Light	Nov 14	Y
29	29	1381	332580.7	6242476.5	17.6	57.7	10.4	7.2	SPIRE	2950.1	115.2 East	2.8	Flood Light	Nov 18	N
41		1503	332045.1	6243478.1	35.2	115.5	23.6	11.6	SPIRE	4047.6	177.2 West	2.0	Southern edge of steel light frame support atop floodlight pole	Nov 18	Y
		1516	331896.8	6243608.9	35.2	115.5	25.5	9.7	SPIRE	4208.9	291.7 West	1.8	Flood Light	Nov 18	Y
		1554	332474.1	6242024.9	6.2	20.3	5.4	0.8	BLDG	2534.9	91.8 West	3.4	Demountable building	Jan 19	Y
		1778	332492.6	6243566.1	30.7	100.7	23.4	7.3	SPIRE	4030.9	278.5 East	1.7	Lightning rod atop floodlight pole	Nov 18	Y
		1808	332100.5	6244335.4	45.0	147.6	33.4	11.6	BLDG	4869.5	72.7 East	1.7	BLDG	Nov 18	Y
		1809	332380.3	6244618.7	48.0	157.5	36.0	12.0	ANTEN	5081.3	409.9 East	1.7	Lightening conductor atop building	Nov 18	N
		1810	332315.3	6244711.6	42.0	137.8	37.2	4.8	BLDG	5186.7	367.8 East	1.4	BLDG	Nov 18	N
		1811	332243.3	6244738.1	43.5	142.7	37.8	5.7	BLDG	5228.9	303.8 East	1.4	BLDG	Nov 18	N
		1821	332039.4	6243407.0	24.7	81.0	22.8	1.9	SPIRE	3979.7	199.1 West	1.3	Flood Light pole	Jan 18	Y
		1822	332373.3	6243564.1	30.7	100.7	23.7	7.0	SPIRE	4056.3	162 East	1.7	Flood Light	Nov 18	Y
		1823	332412.4	6243568.2	30.6	100.4	23.6	7.0	SPIRE	4051.4	200.9 East	1.7	Flood Light	Nov 18	Y
26	26	2190	332422.8	6242429.5	17.4	57.1	10.3	7.1	TREE	2940.4	49.3 West	2.8	Needle Pine	Nov 18	Y
		2326	332618.4	6242318.7	10.7	35.1	8.5	2.2	SPIRE	2787.8	115.8 East	2.0	Street Light	Nov 18	N
		2328	332625.7	6242300.9	10.3	33.8	8.2	2.1	SPIRE	2768.8	118.8 East	2.0	Street Light	Nov 18	N

Chart No. (2018)	Chart No. (2017)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport
					metres	(feet)									
					MGA94				metres	(feet)	metres	metres			
27	27	2418	332459.4	6242440.9	17.0	55.8	10.3	6.7	TREE	2943.2	11 West	2.7	Sheoak	Nov 18	Y
31	31	2420	332511.1	6242474.7	17.9	58.7	10.6	7.3	TREE	2964.2	47 East	2.8	Tree	Nov 18	N
32	32	2422	332486.3	6242469.7	17.8	58.4	10.6	7.2	TREE	2965.1	21.8 East	2.8	Tree	Nov 18	N
		2594	332382.0	6242392.9	14.6	47.9	10.0	4.7	TREE	2914.1	97.4 West	2.3	Tree	Nov 18	Y
37	37	2610	332573.3	6242561.7	21.6	70.9	11.4	10.1	TREE	3034.7	127.5 East	3.1	Tree	Jan 19	Y
		2624	332315.0	6242527.2	19.7	64.6	11.7	8.0	TREE	3060.2	131.9 West	2.6	Tree	Nov 18	Y
		2626	332477.7	6242515.8	15.8	51.8	11.2	4.7	SPIRE	3011.9	23.9 East	2.1	Street light	Nov 18	Y
		2628	332430.6	6242492.8	15.5	50.9	11.0	4.5	SPIRE	3000.3	27.2 West	2.1	Street light	Nov 18	N
		2630	332588.4	6242541.2	17.4	57.1	11.1	6.3	SPIRE	3011.3	137.4 East	2.4	Street light	Nov 16	N
38	38	2634	332549.1	6242583.3	22.0	72.2	11.7	10.2	TREE	3061.3	108.8 East	3.0	Tree	Jan 19	Y
		2638	332303.2	6242560.9	15.6	51.2	12.2	3.4	SPIRE	3095.7	135.6 West	1.8	Flood light	Nov 18	Y
		2640	332293.5	6242598.0	19.2	63.0	12.6	6.6	TREE	3134.0	136.6 West	2.2	Tree	Nov 18	Y
		2642	332284.7	6242624.2	17.0	55.8	12.9	4.0	TREE	3161.5	139.2 West	1.8	Tree	Nov 18	Y
		2644	332254.0	6242634.9	16.1	52.8	13.2	3.0	SPIRE	3179.0	166.7 West	1.6	Flood light	Nov 18	Y
		2648	332409.0	6242759.5	17.0	55.8	14.2	2.8	SPIRE	3264.9	12.7 East	1.6	Flood light	Nov 18	Y
		2650	332399.6	6242742.2	15.5	50.9	14.0	1.5	SPIRE	3250.2	0.4 West	1.4	Light pole	Nov 18	Y
		2652	332528.5	6242780.2	17.2	56.4	14.1	3.1	SPIRE	3257.7	133.8 East	1.6	Flood light	Nov 18	Y
		2654	332270.1	6242760.3	15.6	51.2	14.6	1.0	SPIRE	3297.3	122.3 West	1.3	Flood light	Nov 18	Y
		2656	332323.5	6242807.6	16.0	52.5	15.0	1.0	SPIRE	3331.2	59.5 West	1.3	Flood light	Jan 18	Y
		2658	332460.9	6242779.6	18.3	60.0	14.3	4.0	TREE	3272.6	67.9 East	1.7	Tree	Nov 18	Y
		2660	332566.6	6242858.2	16.0	52.5	14.9	1.1	SPIRE	3324.9	188.7 East	1.3	Flood light	Jan 18	Y
		2662	332432.0	6243584.2	28.0	91.9	23.8	4.2	TREE	4062.4	223.7 East	1.5	Tree	Nov 18	Y
		2666	332180.0	6243644.0	35.3	115.8	25.1	10.2	BLDG	4178.3	8 West	1.8	SE corner eastern most MSCP T2	Nov 18	Y
		2676	332091.7	6243658.0	27.5	90.2	25.6	2.0	BLDG	4212.1	90.7 West	1.3	SE corner MSCP T2	Nov 18	Y
		2678	332079.5	6243660.4	32.8	107.6	25.6	7.2	SPIRE	4217.2	102.1 West	1.6	Flood light	Nov 18	Y
		2680	332002.2	6243672.4	32.8	107.6	26.0	6.8	SPIRE	4246.5	174.6 West	1.6	Flood light	Nov 18	Y
		2682	332088.9	6243691.0	32.0	105.0	25.9	6.1	SPIRE	4244.9	85.9 West	1.6	Flood light	Nov 18	Y
		2684	332085.6	6243689.1	28.7	94.2	25.9	2.8	BLDG	4243.7	89.6 West	1.4	Building atop MSCP T2	Nov 18	Y
		2686	332047.7	6243676.1	28.4	93.2	25.9	2.5	BLDG	4239.7	129.4 West	1.3	Building atop MSCP T2	Nov 18	Y
		2688	332342.8	6243711.9	27.0	88.6	25.5	1.5	TREE	4207.2	166 East	1.3	Tree	Jan 18	Y
		2690	332176.1	6243798.2	29.7	97.4	27.0	2.7	ANTEN	4329.3	23.4 East	1.4	Mobile phone tower	Nov 18	Y
		2692	331902.8	6244041.8	42.8	140.4	30.6	12.2	SPIRE	4628.9	186.9 West	1.8	Flood light	Nov 18	Y
		2694	331916.0	6244134.5	43.3	142.1	31.6	11.7	SPIRE	4716.2	152.8 West	1.7	Flood light	Nov 18	Y
45		2816	332340.7	6243957.3	51.0	167.3	28.4	22.6	MOVG	4446.5	220.1 East	2.4	BMU Window Washing Unit	Jan 19	N
46		2818	332312.3	6243970.4	50.9	167.0	28.6	22.3	BLDG	4465.8	195.4 East	2.3	Stamford Hotel Plant Room	Jan 19	N
22	22	3092	332551.7	6242421.6	17.0	55.8	9.8	7.2	TREE	2903.3	74.4 East	3.0	Tree	Nov 18	Y
25	25	3093	332375.8	6242416.0	18.0	59.1	10.3	7.8	TREE	2938.0	98.1 West	3.0	Tree	Nov 18	Y
24	24	3094	332402.6	6242420.4	18.3	60.0	10.2	8.1	TREE	2936.2	71 West	3.1	Tree	Nov 18	Y
		3096	332480.6	6242784.9	18.5	60.7	14.3	4.2	TREE	3273.2	88.2 East	1.8	Tree	Nov 18	Y
		3099	332476.6	6242881.8	15.9	52.2	15.4	0.5	SPIRE	3368.5	106.5 East	1.3	light pole long term carpark	Dec 14	Y
		3482	332542.7	6242418.0	15.5	50.9	9.8	5.7	TREE	2901.8	64.8 East	2.6	Tree	Nov 18	Y
		3483	332533.7	6242425.2	16.1	52.8	9.9	6.1	TREE	2910.9	57.7 East	2.7	Tree	Nov 18	Y
23	23	3484	332546.5	6242426.6	16.8	55.1	9.9	6.9	TREE	2909.3	70.5 East	2.9	Tree	Nov 18	Y
		3485	332552.3	6242451.8	15.3	50.2	10.2	5.1	TREE	2932.6	81.9 East	2.4	Tree	Nov 17	N
28	28	3486	332529.1	6242462.1	17.1	56.1	10.4	6.7	TREE	2947.9	61.6 East	2.7	Tree	Nov 18	N

Chart No. (2018)	Chart No. (2017)	Reference Number (Surveyor ID No.)	Easting MGA94	Northing MGA94	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD metres	Pen. of Lowest Surveyed Slope (1.2%) metres	Type of Obstacle	Chainage relative to RWY Start metres	Offset from Centreline metres	Gradient to top of Obstacle (%)	Description	Date Last Visited	On Airport
					metres	(feet)									
		3506	332605.8	6242252.5	9.1	29.9	7.7	1.4	TREE	2726.3	88.4 East	1.8	Tree	Nov 18	Y
17	17	3508	332596.2	6242335.7	11.4	37.4	8.7	2.7	TREE	2809.5	98 East	2.1	Tree	Nov 18	Y
		3510	332362.6	6242407.0	15.8	51.8	10.2	5.6	TREE	2932.3	113 West	2.5	Tree	Nov 18	Y
13	13	3512	332615.9	6242274.5	10.5	34.4	8.0	2.6	TREE	2745.4	103.3 East	2.2	Tree	Nov 18	Y
15	15	3514	332613.5	6242306.7	10.8	35.4	8.3	2.5	TREE	2777.3	108.3 East	2.1	Tree	Nov 18	Y
		3590	332275.0	6244870.4	52.0	170.6	39.2	12.8	BLDG	5350.5	364.9 East	1.7	PROPERTY DEVELOPMENT	Nov 18	N
		3925	332517.6	6242614.6	19.4	63.6	12.2	7.2	TREE	3099.0	85.4 East	2.4	Tree	Nov 18	Y
		3927	332525.4	6242529.3	17.7	58.1	11.2	6.6	TREE	3014.1	73.5 East	2.5	Tree	Nov 18	Y
3	3	4002	332553.4	6242025.3	6.7	22.0	5.2	1.5	SPIRE	2517.1	14.5 West	8.9	HAL	Jan 19	Y
4	4	4012	332568.3	6242028.8	6.7	22.0	5.2	1.5	SPIRE	2517.0	0.7 East	8.9	HAL	Jan 19	Y
2	2	4022	332583.1	6242032.2	6.7	22.0	5.2	1.5	SPIRE	2517.0	15.9 East	8.9	HAL	Jan 19	Y
5	5	4026	332561.3	6242061.5	7.2	23.6	5.6	1.6	SPIRE	2550.5	1.4 East	4.2	HAL	Jan 19	Y
6	6	4030	332553.8	6242093.8	7.8	25.6	6.0	1.8	SPIRE	2583.6	1.5 East	3.3	HAL	Jan 19	Y
7	7	4032	332546.2	6242126.1	8.3	27.2	6.4	1.9	SPIRE	2616.8	1.4 East	2.8	HAL	Nov 18	Y
8	8	4036	332537.1	6242158.0	8.9	29.2	6.8	2.0	SPIRE	2650.0	0.1 West	2.6	HAL	Nov 18	Y
10	10	4040	332512.0	6242186.2	9.4	30.8	7.2	2.2	SPIRE	2683.2	18 West	2.4	HAL	Nov 18	Y
9	9	4054	332530.9	6242190.6	9.4	30.8	7.2	2.2	SPIRE	2683.1	1.4 East	2.4	HAL	Nov 18	Y
11	11	4066	332548.5	6242194.8	9.4	30.8	7.2	2.2	SPIRE	2683.2	19.4 East	2.4	HAL	Nov 18	Y
		4069	332508.1	6242168.6	7.7	25.3	7.0	0.7	SPIRE	2667.0	25.9 West	1.6	Obstruction Light (Lit 1/1)	Nov 18	Y
12	12	4070	332523.5	6242222.7	10.0	32.8	7.6	2.4	SPIRE	2716.0	1.5 East	2.3	HAL	Nov 18	Y
		4071	332558.7	6242180.5	7.7	25.3	7.0	0.7	SPIRE	2667.0	26.1 East	1.6	Obstruction Light (Lit 1/1)	Nov 18	Y
14	14	4074	332516.0	6242254.4	10.5	34.4	8.0	2.5	SPIRE	2748.7	1.5 East	2.2	HAL	Nov 18	Y
16	16	4078	332508.5	6242286.3	11.1	36.4	8.4	2.7	SPIRE	2781.4	1.4 East	2.1	HAL	Nov 18	Y
18	18	4082	332501.1	6242318.1	11.6	38.1	8.8	2.8	SPIRE	2814.1	1.4 East	2.1	HAL	Nov 18	Y
19	19	4084	332471.0	6242344.5	12.2	40.0	9.2	3.0	SPIRE	2846.7	21.8 West	2.1	HAL	Nov 18	Y
		4100	332493.6	6242350.0	12.2	40.0	9.2	3.0	SPIRE	2846.9	1.4 East	2.1	HAL	Nov 18	Y
		4114	332514.7	6242354.9	12.2	40.0	9.2	3.0	SPIRE	2846.8	23.2 East	2.1	HAL	Nov 18	Y
		4118	332485.2	6242382.7	12.7	41.7	9.6	3.1	SPIRE	2880.6	0.7 East	2.0	HAL	Nov 18	Y
		4124	332477.3	6242415.6	13.3	43.6	10.0	3.3	SPIRE	2914.4	0.6 East	2.0	HAL	Nov 18	Y
		4129	331996.2	6243892.9	40.8	133.9	28.6	12.2	BLDG	4462.6	130 West	1.8	Railing on Roof	Nov 18	Y
		4130	332469.7	6242448.4	13.8	45.3	10.4	3.4	SPIRE	2948.1	0.7 East	2.0	HAL	Nov 18	Y
		4136	332461.9	6242481.5	14.4	47.2	10.8	3.6	SPIRE	2982.2	0.7 East	2.0	HAL	Nov 18	N
		4140	332426.6	6242511.0	14.4	47.2	11.2	3.2	SPIRE	3018.9	27 West	1.8	HAL	Nov 18	Y
		4149	332449.2	6242158.2	8.1	26.6	7.1	1.1	ANTEN	2670.3	85.6 West	1.8	Aerial atop shed	Nov 18	Y
		4158	332453.5	6242517.2	14.4	47.2	11.2	3.2	SPIRE	3018.8	0.7 East	1.8	HAL	Nov 18	Y
		4176	332480.4	6242523.6	14.4	47.2	11.2	3.2	SPIRE	3018.9	28.3 East	1.8	HAL	Nov 18	Y
		4180	332447.2	6242544.5	14.4	47.2	11.6	2.8	SPIRE	3046.8	0.7 East	1.7	HAL	Nov 18	Y
		4186	332440.7	6242571.8	14.4	47.2	11.9	2.5	SPIRE	3074.9	0.7 East	1.6	HAL	Nov 18	Y
		4192	332434.4	6242599.0	14.4	47.2	12.2	2.1	SPIRE	3102.8	0.7 East	1.6	HAL	Nov 18	Y
		4198	332427.9	6242626.1	14.4	47.2	12.6	1.8	SPIRE	3130.7	0.7 East	1.5	HAL	Nov 18	Y
		4204	332421.6	6242653.5	14.4	47.2	12.9	1.5	SPIRE	3158.8	0.7 East	1.4	HAL	Nov 18	Y
		4205	332481.0	6242365.7	10.1	33.1	9.4	0.7	MOVG	2865.0	7.2 West	1.4	Gate 16 Access Road Crown (plus 4.6m)	Nov 14	Y
		4208	331824.5	6243772.9	39.7	130.2	27.6	12.1	SPIRE	4385.1	324.6 West	1.8	Obstruction Light (Lit 1/1)	Nov 18	Y
		4210	331823.7	6243776.5	39.8	130.6	27.7	12.1	SPIRE	4388.7	324.6 West	1.8	Obstruction Light (Lit 1/1)	Nov 18	Y
		4212	331864.8	6243686.5	40.7	133.5	26.5	14.2	SPIRE	4291.8	305.1 West	2.0	Obstruction Light (Lit 1/1)	Jan 19	Y

Chart No. (2018)	Chart No. (2017)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport
					metres	(feet)									
43		4214	331863.1	6243683.5	40.9	134.2	26.5	14.4	SPIRE	4289.2	307.5 West	2.0	Obstruction Light (Lit 1/1)	Jan 19	Y
		4301	332565.5	6242434.4	16.4	53.8	10.0	6.4	SPIRE	2912.6	90.7 East	2.8	Light Pole	Nov 18	N
20	20	4303	332580.8	6242397.1	14.4	47.2	9.5	4.9	SPIRE	2872.7	97.1 East	2.5	Light Pole	Nov 18	N
21	21	4333	332608.2	6242407.0	16.0	52.5	9.5	6.5	SPIRE	2876.1	126.1 East	2.9	Light Pole	Nov 18	N
		4335	332608.8	6242433.2	13.0	42.7	9.8	3.2	SPIRE	2901.5	132.6 East	2.0	Light Pole	Nov 18	N
		4337	332593.2	6242441.2	16.2	53.1	10.0	6.3	SPIRE	2912.9	119.3 East	2.7	Light Pole	Nov 18	N
		4339	332524.5	6242492.8	19.4	63.6	10.8	8.7	SPIRE	2978.8	64.2 East	3.0	Light Pole	Nov 18	N
		4341	332481.6	6242480.7	18.3	60.0	10.7	7.6	SPIRE	2976.8	19.6 East	2.8	Light Pole	Nov 18	N
		4343	332440.5	6242469.2	17.0	55.8	10.7	6.3	SPIRE	2975.0	22.9 West	2.5	Light Pole	Nov 18	N
		4345	332399.8	6242457.7	15.8	51.8	10.7	5.2	SPIRE	2973.2	65.3 West	2.3	Light Pole	Nov 18	N
35	35	4347	332548.1	6242501.2	19.5	64.0	10.8	8.7	SPIRE	2981.6	89 East	3.0	Light Pole	Nov 18	N
36	36	4349	332575.4	6242508.2	19.8	65.0	10.8	9.0	SPIRE	2982.2	117.3 East	3.1	Light Pole	Jan 19	N
34	34	4351	332603.0	6242507.2	19.4	63.6	10.7	8.7	SPIRE	2974.9	144 East	3.0	Light Pole	Jan 19	N
		4361	331875.0	6243912.0	39.7	130.2	29.1	10.6	BLDG	4508.9	243.7 West	1.7	Building	Nov 18	Y
		4365	332043.2	6244409.8	56.3	184.7	34.5	21.8	ANTEN	4955.1	33.9 East	2.1	Antenna (Lit 0/2)	Jan 19	Y
		4393	332443.8	6242306.1	8.9	29.2	8.8	0.1	TERRN	2815.5	57 West	1.2	Top of Bank	Nov 16	Y
		4405	332440.7	6242309.8	9.9	32.5	8.8	1.1	SPIRE	2819.8	59.2 West	1.5	Pole	Nov 18	Y
		4407	332419.8	6242453.9	11.3	37.1	10.6	0.7	MOVG	2964.9	46.6 West	1.4	Road Edge (South) (plus 4.4m)	Dec 16	N
		4409	332442.9	6242460.5	12.0	39.4	10.6	1.4	MOVG	2966.0	22.7 West	1.5	Road Edge (South) (plus 4.4m)	Dec 16	N
		4411	332466.3	6242466.9	12.7	41.7	10.6	2.1	MOVG	2966.9	1.6 East	1.7	Road Edge (South) (plus 4.4m)	Dec 16	N
		4413	332489.8	6242473.8	13.5	44.3	10.6	2.8	MOVG	2968.2	26.1 East	1.8	Road Edge (South) (plus 4.4m)	Dec 16	N
		4415	332514.0	6242480.7	14.2	46.6	10.6	3.6	MOVG	2969.4	51.2 East	2.0	Road Edge (South) (plus 4.4m)	Dec 16	N
		4417	332538.4	6242487.2	14.8	48.6	10.6	4.2	MOVG	2970.2	76.5 East	2.1	Road Edge (South) (plus 4.4m)	Dec 16	N
		4419	332560.6	6242494.1	15.1	49.5	10.7	4.4	MOVG	2971.8	99.6 East	2.1	Road Edge (South) (plus 4.4m)	Dec 16	N
		4421	332585.2	6242501.2	15.1	49.5	10.7	4.4	MOVG	2973.1	125.2 East	2.1	Road Edge (South) (plus 4.4m)	Dec 16	N
		4423	332604.6	6242505.8	14.8	48.6	10.7	4.1	MOVG	2973.2	145.2 East	2.1	Road Edge (South) (plus 4.4m)	Dec 16	N
1	1	4438	332529.7	6242000.6	5.0	16.4	5.0	0.0	SPIRE	2498.4	43.3 West	12.6	Frangible bollard	Jan 19	Y
		4440	332530.7	6242185.2	8.3	27.2	7.1	1.2	SPIRE	2677.9	0.1 West	1.9	RWY 16L Localiser Far Field Centreline Monitor Antenna	Nov 18	Y
		4441	332468.8	6242170.6	8.5	27.9	7.1	1.4	SPIRE	2677.9	63.7 West	2.0	RWY 16L Localiser Far Field Displacement Sensitivity Monitor Antenna	Nov 18	Y
		4446	332560.7	6242448.8	15.5	50.9	10.1	5.4	TREE	2927.7	89.4 East	2.5	Tree	Nov 18	N
		4484	332602.6	6242436.2	13.7	44.9	9.9	3.8	TREE	2905.9	127.3 East	2.1	Tree	Nov 18	N
		4485	332607.4	6242453.1	16.1	52.8	10.1	6.1	TREE	2921.2	135.8 East	2.6	Tree	Nov 18	N
30	30	4486	332605.2	6242496.2	19.2	63.0	10.6	8.7	TREE	2963.6	143.5 East	3.1	Tree	Jan 19	N
		4487	332547.0	6242478.3	17.6	57.7	10.5	7.0	TREE	2959.5	82.8 East	2.7	Tree	Nov 18	N
42		4492	332173.3	6243646.9	38.7	127.0	25.2	13.5	BLDG	4182.6	13.9 West	2.0	Multi Storey Carpark	Nov 18	Y
		4493	332450.4	6243827.9	40.0	131.2	26.6	13.5	BLDG	4295.5	297.3 East	2.0	Mantra Hotel	Nov 18	Y
33	33	4509	332588.3	6242499.4	19.0	62.3	10.7	8.4	TREE	2970.6	127.8 East	3.0	Tree	Nov 18	N
		4595	332270.0	6245143.0	51.2	168.0	42.4	8.8	BLDG	5617.0	422.3 East	1.5	Apartment	Jan 00	N
		4737	332343.1	6242464.5	15.1	49.5	10.9	4.1	SPIRE	2992.8	118.9 West	2.0	Floodlight	Oct 18	N
		4741	331854.1	6248446.4	82.6	271.0	82.1	0.5	BLDG	8928.0	772.6 East	1.2	Brick Chimney	Nov 18	N
		4773	331709.8	6248055.9	82.0	269.0	78.0	4.0	ANTEN	8580.8	542.9 East	1.3	Church Crux	Nov 18	N
		4776	332191.6	6244803.4	58.0	190.3	38.7	19.3	BLDG	5304.3	268.3 East	1.9	CRANE	Jan 19	N
47		4781	332274.4	6244017.0	52.1	170.9	29.2	22.8	BLDG	4519.8	169.2 East	2.3	BUILDING (Lit) Airport Central	Jan 19	N
		4807	331887.5	6246559.1	66.5	218.2	60.0	6.5	BLDG	7083.0	373.7 East	1.3	Chimney	Nov 18	N
		4832	332380.9	6244481.0	51.0	167.3	34.4	16.6	BLDG	4947.1	378.9 East	1.9	Building	Jan 19	N

Chart No. (2018)	Chart No. (2017)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport
					metres	(feet)	metres	metres		metres	metres	(%)			
		4833	332337.0	6244908.7	50.8	166.7	39.5	11.3	BLDG	5373.6	434 East	1.6	Building	Oct 18	N
		6604	332305.2	6244342.8	51.7	169.6	33.0	18.7	BLDG	4830.0	273.7 East	2.0	Lightning Rod atop Apartments	Jan 19	N
		9076	332347.1	6243056.9	18.9	62.0	17.8	1.1	ANTEN	3568.5	20.5 East	1.3	25 Glide Path cnr nearest RWY (lit)	Nov 18	Y
		9080	332521.6	6242843.5	16.4	53.8	14.9	1.5	SPIRE	3320.8	141.5 East	1.4	light pole long term carpark	Jan 18	Y
		9081	332506.1	6242891.0	16.1	52.8	15.5	0.6	SPIRE	3370.7	137.3 East	1.3	light pole long term carpark	Nov 14	Y
		9087	332472.5	6242828.3	16.3	53.5	14.8	1.5	SPIRE	3317.3	90.3 East	1.4	light pole long term carpark	Nov 14	Y
		9089	332412.3	6242856.9	15.8	51.8	15.3	0.4	SPIRE	3358.9	38.2 East	1.3	light pole long term carpark	Jan 18	Y
		9092	332309.2	6242855.6	15.9	52.2	15.6	0.3	SPIRE	3381.3	62.5 West	1.2	light pole long term carpark	Nov 14	Y
		9093	332360.5	6242870.5	16.0	52.5	15.6	0.3	SPIRE	3384.0	9.1 West	1.2	light pole long term carpark	Nov 14	Y
		9094	332375.0	6242822.7	16.0	52.5	15.0	1.0	SPIRE	3334.1	5.9 West	1.3	light pole long term carpark	Jan 18	Y
		9095	332278.3	6242793.7	16.2	53.1	14.9	1.2	SPIRE	3328.1	106.7 West	1.4	light pole long term carpark	Mar 08	Y
		9097	332338.0	6242759.9	15.8	51.8	14.4	1.5	SPIRE	3281.5	56.2 West	1.4	light pole long term carpark	Nov 18	Y
		9098	332388.8	6242774.7	15.8	51.8	14.4	1.4	SPIRE	3284.3	3.5 West	1.4	light pole long term carpark	Nov 18	Y
		9111	332340.5	6243545.8	30.7	100.7	23.6	7.1	SPIRE	4045.9	125.8 East	1.7	light pole long term carpark	Nov 18	Y
		9112	332309.0	6243550.4	32.5	106.6	23.7	8.8	SPIRE	4057.6	96.2 East	1.8	light pole long term carpark	Nov 18	Y
		9113	332265.9	6243563.7	31.0	101.7	24.0	7.0	SPIRE	4080.5	57.3 East	1.6	light pole long term carpark	Nov 18	Y
		9114	332222.4	6243572.5	30.6	100.4	24.2	6.4	SPIRE	4099.0	16.9 East	1.6	light pole long term carpark	Nov 18	Y
		9538	332509.5	6242552.2	17.7	58.1	11.5	6.2	TREE	3040.0	63.2 East	2.4	TREE	Nov 16	Y
		9539	332528.3	6242604.4	20.1	65.9	12.0	8.0	TREE	3086.6	93.4 East	2.6	TREE	Nov 18	Y

* Obstacle penetrates <0.05m

SYDNEY (KINGSFORD-SMITH) AIRPORT, AUSTRALIA
AERONAUTICAL INFORMATION PUBLICATION
AERODROME OBSTACLE CHART (DECEMBER 2018)
ICAO ANNEX 4 TYPE A (OPERATING LIMITATIONS)
(34R TAKE OFF)

(SIGNIFICANT OBSTACLES PENETRATING THE 1.2% SURFACE SHOWN ON TYPE A CHART)

The origin of the surface is located at the end of the clearway

The total length of the area is 10000 metres (5.4 NM)

The area is splayed at 12.5% (7° 08')

The surface has a gradient of 1.2%

Chainages commence from the start of the Take Off run available

Datum for bearings and co-ordinates is the Map Grid of Australia (MGA94)

Datum for heights (HT) is the Australian Height Datum (AHD)

NB: The published height relating to roads include a height between 2.5m and 4.6m for transient obstacles.

NB: The published height relating to railways include a 5.3m height for transient obstacles.

NB: Obstacle database used for reduction: Obst 190130.red

Sydney Kingsford-Smith Airport							34R Take Off	
Mid-point of origin		Runway Bearing	Height at		Runway Length	Chainage at Origin	Height at Origin	
<u>Easting</u>	<u>Northing</u>		<u>Chainage 00</u>				m	ft
(MGA94)	(MGA94)	(Deg Min Sec)	(m)	(ft)	(metres)	(metres)	m	ft
332571.925	6242010.054	346° 47' 03"	4.010	(13.2)	2438.0	2498.0	4.984	(16.4)

EXPLANATION OF SPECIFIC TERMS	
Chart No.	Chart Identification Number, shown on the respective Type A Chart for the current year, denoting <u>only</u> the Significant Obstacles. <u>Note:</u> 1. These numbers are regenerated with each survey and may vary from one year to the next. 2. The previous year's Chart No is also supplied for cross-referencing purposes.
Reference Number	Surveyor Identification Number - A unique sequential number allocated during surveys to identify an obstacle. This number does not change.
Type of Obstacle	ICAO Identification as displayed on Type A Chart and shown on that chart's legend.
Description	General description of the respective obstacle.

Chart No. (2018)	Chart No. (2017)	Reference Number (Surveyor ID No.)	Easting	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD	Pen. of Lowest Surveyed Slope (1.2%)	Type of Obstacle	Chainage relative to RWY Start	Offset from Centreline	Gradient to top of Obstacle	Description	Date Last Visited	On Airport
					MGA94										
					metres	(feet)	(%)								
1	1	4438	332529.7	6242000.6	5.0	16.4	5.0	0.0	SPIRE	2498.4	43.3 West	12.6	Frangible bollard	Jan 19	Y
2	2	4022	332583.1	6242032.2	6.7	22.0	5.2	1.5	SPIRE	2517.0	15.9 East	8.9	HIAL	Jan 19	Y
3	3	4002	332553.4	6242025.3	6.7	22.0	5.2	1.5	SPIRE	2517.1	14.5 West	8.9	HIAL	Jan 19	Y
4	4	4012	332568.3	6242028.8	6.7	22.0	5.2	1.5	SPIRE	2517.0	0.7 East	8.9	HIAL	Jan 19	Y
5	5	4026	332561.3	6242061.5	7.2	23.6	5.6	1.6	SPIRE	2550.5	1.4 East	4.2	HIAL	Jan 19	Y
6	6	4030	332553.8	6242093.8	7.8	25.6	6.0	1.8	SPIRE	2583.6	1.5 East	3.3	HIAL	Jan 19	Y
7	7	4032	332546.2	6242126.1	8.3	27.2	6.4	1.9	SPIRE	2616.8	1.4 East	2.8	HIAL	Nov 18	Y
8	8	4036	332537.1	6242158.0	8.9	29.2	6.8	2.0	SPIRE	2650.0	0.1 West	2.6	HIAL	Nov 18	Y
9	9	4054	332530.9	6242190.6	9.4	30.8	7.2	2.2	SPIRE	2683.1	1.4 East	2.4	HIAL	Nov 18	Y
10	10	4040	332512.0	6242186.2	9.4	30.8	7.2	2.2	SPIRE	2683.2	18 West	2.4	HIAL	Nov 18	Y
11	11	4066	332548.5	6242194.8	9.4	30.8	7.2	2.2	SPIRE	2683.2	19.4 East	2.4	HIAL	Nov 18	Y
12	12	4070	332523.5	6242222.7	10.0	32.8	7.6	2.4	SPIRE	2716.0	1.5 East	2.3	HIAL	Nov 18	Y
13	13	3512	332615.9	6242274.5	10.5	34.4	8.0	2.6	TREE	2745.4	103.3 East	2.2	Tree	Nov 18	Y
14	14	4074	332516.0	6242254.4	10.5	34.4	8.0	2.5	SPIRE	2748.7	1.5 East	2.2	HIAL	Nov 18	Y
15	15	3514	332613.5	6242306.7	10.8	35.4	8.3	2.5	TREE	2777.3	108.3 East	2.1	Tree	Nov 18	Y
16	16	4078	332508.5	6242286.3	11.1	36.4	8.4	2.7	SPIRE	2781.4	1.4 East	2.1	HIAL	Nov 18	Y
17	17	3508	332596.2	6242335.7	11.4	37.4	8.7	2.7	TREE	2809.5	98 East	2.1	Tree	Nov 18	Y
18	18	4082	332501.1	6242318.1	11.6	38.1	8.8	2.8	SPIRE	2814.1	1.4 East	2.1	HIAL	Nov 18	Y
19	19	4084	332471.0	6242344.5	12.2	40.0	9.2	3.0	SPIRE	2846.7	21.8 West	2.1	HIAL	Nov 18	Y
20	20	4303	332580.8	6242397.1	14.4	47.2	9.5	4.9	SPIRE	2872.7	97.1 East	2.5	Light Pole	Nov 18	N
21	21	4333	332608.2	6242407.0	16.0	52.5	9.5	6.5	SPIRE	2876.1	126.1 East	2.9	Light Pole	Nov 18	N
22	22	3092	332551.7	6242421.6	17.0	55.8	9.8	7.2	TREE	2903.3	74.4 East	3.0	Tree	Nov 18	Y
23	23	3484	332546.5	6242426.6	16.8	55.1	9.9	6.9	TREE	2909.3	70.5 East	2.9	Tree	Nov 18	Y
24	24	3094	332402.6	6242420.4	18.3	60.0	10.2	8.1	TREE	2936.2	71 West	3.1	Tree	Nov 18	Y
25	25	3093	332375.8	6242416.0	18.0	59.1	10.3	7.8	TREE	2938.0	98.1 West	3.0	Tree	Nov 18	Y
26	26	2190	332422.8	6242429.5	17.4	57.1	10.3	7.1	TREE	2940.4	49.3 West	2.8	Needle Pine	Nov 18	Y
27	27	2418	332459.4	6242440.9	17.0	55.8	10.3	6.7	TREE	2943.2	11 West	2.7	Sheoak	Nov 18	Y
28	28	3486	332529.1	6242462.1	17.1	56.1	10.4	6.7	TREE	2947.9	61.6 East	2.7	Tree	Nov 18	N
29	29	1381	332580.7	6242476.5	17.6	57.7	10.4	7.2	SPIRE	2950.1	115.2 East	2.8	Flood Light	Nov 18	N
30	30	4486	332605.2	6242496.2	19.2	63.0	10.6	8.7	TREE	2963.6	143.5 East	3.1	Tree	Jan 19	N
31	31	2420	332511.1	6242474.7	17.9	58.7	10.6	7.3	TREE	2964.2	47 East	2.8	Tree	Nov 18	N
32	32	2422	332486.3	6242469.7	17.8	58.4	10.6	7.2	TREE	2965.1	21.8 East	2.8	Tree	Nov 18	N
33	33	4509	332588.3	6242499.4	19.0	62.3	10.7	8.4	TREE	2970.6	127.8 East	3.0	Tree	Nov 18	N
34	34	4351	332603.0	6242507.2	19.4	63.6	10.7	8.7	SPIRE	2974.9	144 East	3.0	Light Pole	Jan 19	N
35	35	4347	332548.1	6242501.2	19.5	64.0	10.8	8.7	SPIRE	2981.6	89 East	3.0	Light Pole	Nov 18	N
36	36	4349	332575.4	6242508.2	19.8	65.0	10.8	9.0	SPIRE	2982.2	117.3 East	3.1	Light Pole	Jan 19	N
37	37	2610	332573.3	6242561.7	21.6	70.9	11.4	10.1	TREE	3034.7	127.5 East	3.1	Tree	Jan 19	Y
38	38	2634	332549.1	6242583.3	22.0	72.2	11.7	10.2	TREE	3061.3	108.8 East	3.0	Tree	Jan 19	Y
39	39	418	332545.7	6242699.3	24.4	80.1	13.1	11.3	TREE	3175.0	132 East	2.9	Tree	Jan 19	Y
40		1241	332580.9	6242713.6	22.4	73.5	13.2	9.2	TREE	3180.8	169.5 East	2.6	TREE	Jan 18	Y
41		1503	332045.1	6243478.1	35.2	115.5	23.6	11.6	SPIRE	4047.6	177.2 West	2.0	Southern edge of steel light frame support atop floodlight pole	Nov 18	Y
42		4492	332173.3	6243646.9	38.7	127.0	25.2	13.5	BLDG	4182.6	13.9 West	2.0	Multi Storey Carpark	Nov 18	Y
43		4214	331863.1	6243683.5	40.9	134.2	26.5	14.4	SPIRE	4289.2	307.5 West	2.0	Obstruction Light (Lit 1/1)	Jan 19	Y

Chart No. (2018)	Chart No. (2017)	Reference Number (Surveyor ID No.)	Easting MGA94	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD metres	Pen. of Lowest Surveyed Slope (1.2%) metres	Type of Obstacle	Chainage relative to RWY Start metres	Offset from Centreline metres	Gradient to top of Obstacle (%)	Description	Date Last Visited	On Airport
					metres	(feet)									
44		1189	332341.5	6243956.1	48.8	160.1	28.4	20.4	BLDG	4445.2	220.6 East	2.3	BUILD/HOUSE/SHED	Jan 19	N
45		2816	332340.7	6243957.3	51.0	167.3	28.4	22.6	MOVG	4446.5	220.1 East	2.4	BMU Window Washing Unit	Jan 19	N
46		2818	332312.3	6243970.4	50.9	167.0	28.6	22.3	BLDG	4465.8	195.4 East	2.3	Stamford Hotel Plant Room	Jan 19	N
47		4781	332274.4	6244017.0	52.1	170.9	29.2	22.8	BLDG	4519.8	169.2 East	2.3	BUILDING (Lit) Airport Central	Jan 19	N

* Obstacle penetrates <0.05m.

SYDNEY (KINGSFORD-SMITH) AIRPORT, AUSTRALIA
AERONAUTICAL INFORMATION PUBLICATION
AERODROME OBSTACLE CHART (DECEMBER 2018)
ICAO ANNEX 4 TYPE A (OPERATING LIMITATIONS)
(34R TAKE OFF)

(NEW & DELETED OBSTACLES)

The origin of the surface is located at the end of the clearway

The total length of the area is 10000 metres (5.4 NM)

The area is splayed at 12.5% (7° 08')

The surface has a gradient of 1.2%

Chainages commence from the start of the Take Off run available

Datum for bearings and co-ordinates is the Map Grid of Australia (MGA94)

Datum for heights (HT) is the Australian Height Datum (AHD)

NB: The published height relating to roads include a height between 2.5m and 4.6m for transient obstacles.

NB: The published height relating to railways include a 5.3m height for transient obstacles.

NB: Obstacle database used for reduction: Obst 190130.red

Sydney Kingsford-Smith Airport							34R Take Off	
Mid-point of origin		Runway Bearing	Height at		Runway Length	Chainage at Origin	Height at Origin	
<u>Easting</u>	<u>Northing</u>		<u>Chainage 00</u>					
(MGA94)	(MGA94)		(Deg Min Sec)	(m)			(ft)	(metres)
332571.925	6242010.054	346° 47' 03"	4.010	(13.2)	2438.0	2498.0	4.984	(16.4)

EXPLANATION OF SPECIFIC TERMS

Chart No.	Chart Identification Number, shown on the respective Type A Chart for the current year, denoting <u>only</u> the Significant Obstacles. <u>Note:</u> 1. These numbers are regenerated with each survey and may vary from one year to the next. 2. The previous year's Chart No is also supplied for cross-referencing purposes.
Reference Number	Surveyor Identification Number - A unique sequential number allocated during surveys to identify an obstacle. This number does not change.
Type of Obstacle	ICAO Identification as displayed on Type A Chart and shown on that chart's legend.
Description	General description of the respective obstacle.

New Obstacles (Obstacles newly reflected on Type A Charts - 2018 Survey)													
Chart No. (2018)	Chart No. (2017)	Reference Number (Surveyor ID No.)	Easting MGA94	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD metres	Pen. of Lowest Surveyed Slope (1.2%) metres	Type of Obstacle	Chainage relative to RWY Start metres	Offset from Centreline metres	Gradient to top of Obstacle (%)	Description
					metres	(feet)							
47		4781	332274.4	6244017.0	52.1	170.9	29.2	22.8	BLDG	4519.8	169.2 East	2.3	BUILDING (Lit) Airport Central

Note: A 'New' Obstacle is an obstacle that has become prominent from the results of the current survey. It is now reflected on the Type A Chart.

It is possible that this obstacle existed prior to this survey but was not prominent at that time (eg: shielded by other obstacles, etc).

* Obstacle penetrates <0.05m

Deleted Obstacles (Obstacles removed from Type A Charts - 2017 Survey)													
Chart No. (2018)	Chart No. (2017)	Reference Number (Surveyor ID No.)	Easting MGA94	Northing	Height of Obstacle above AHD		Height of Lowest Surveyed Slope (1.2%) above AHD metres	Pen. of Lowest Surveyed Slope (1.2%) metres	Type of Obstacle	Chainage relative to RWY Start metres	Offset from Centreline metres	Gradient to top of Obstacle (%)	Description
					metres	(feet)							
	47	4139	332268.2	6244010.7	51.8	169.9	29.2	22.6	BLDG	4515.1	161.7 East	2.3	Air vent near centre of roof
	48	4328	332306.1	6245165.4	71.9	235.9	42.6	29.3	BLDG	5630.5	462.6 East	2.1	Crane

Note: A 'Deleted' Obstacle is an obstacle no longer prominent from the results of the current survey. It has been removed from the Type A Chart.

It is possible that this obstacle still physically exists however it is no longer prominent (eg: shielded by other obstacles, etc).

* Obstacle penetrates <0.05m.