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**SYDNEY/NANCY-BIRD WALTON  
AERODROME (YSWS) OBSTACLE  
INFRINGEMENTS****1. INTRODUCTION**

- 1.1 This SUP contains aerodrome obstacles information to alert operators and pilots of obstacle infringements for the runways at Sydney/Nancy-Bird Walton Aerodrome (YSWS).

**2. OBSTACLE INFRINGEMENTS****2.1 Obstacle Restriction Area**

- a) RWY 05 Instrument RVR (1) 306FT AMSL PSN 335321.6S 1504156.3E infringes by 9FT AGL.
- b) RWY 05 Instrument RVR (2) 306FT AMSL PSN 335321.2S 1504157.3E infringes by 9FT AGL.
- c) Midpoint Instrument RVR (1) 284FT AMSL PSN 335258.2S 1504244.5E infringes by 10FT AGL.
- d) Midpoint Instrument RVR (2) 284FT AMSL PSN 335257.7S 1504245.5E infringes by 10FT AGL.
- e) RWY 23 Instrument RVR (1) 284FT AMSL PSN 335233.1S 1504336.1E infringes by 10FT AGL.
- f) RWY 23 Instrument RVR (2) 262FT AMSL PSN 335232.6S 1504337.1E infringes by 10FT AGL.
- g) RWY 05 IWI 321FT AMSL PSN 335320.9S 1504156.0E infringes by 30FT AGL.

- h) RWY 23 IWI 277FT AMSL PSN 335232.4S 1504336.1E infringes by 30FT AGL.

## **2.2 Transitional Surface Infringed**

### **2.2.1 Unlit**

- a) Mast 366FT AMSL PSN 335303.1S 1504219.4E infringes by 19FT.

### **2.2.2 Lit**

- a) RWY 05 DME antenna 308FT AMSL PSN 335320.2S 1504154.2E infringes by 2FT.
- b) RWY 23 DME antenna 264FT AMSL PSN 335230.5S 1504336.4E infringes by 5FT.
- c) RWY 23 GP antenna 301FT AMSL PSN 335230.8S 1504336.5E infringes by 43FT.
- d) RWY 05 GP antenna 300FT AMSL PSN 335320.5S 1504154.4E infringes by 54FT.
- e) Visual Reproduction System (VRS) mast lightening rod 399FT AMSL PSN 335249.7S 1504241.3E infringes by 25FT.

### **2.2.3 Tree/Tree Group**

- a) 379FT AMSL PSN 335400.7S 1504254.6E infringes by 5FT.
- b) 373FT AMSL PSN 335401.6S 1504255.9E infringes by 15FT.
- c) 393FT AMSL PSN 335359.1S 1504256.4E infringes by 8FT.
- d) 379FT AMSL PSN 335359.3S 1504258.5E infringes by 9FT.
- e) 382FT AMSL PSN 335358.7S 1504258.2E infringes by 5FT.
- f) 370FT AMSL PSN 335400.5S 1504256.9E infringes by 5FT.
- g) 360FT AMSL PSN 335401.0S 1504258.2E infringes by 10FT.
- h) 369FT AMSL PSN 335402.0S 1504258.4E infringes by 18FT.
- i) 368FT AMSL PSN 335403.2S 1504254.8E infringes by 16FT.

## **2.3 Approach Surface Infringed**

### **2.3.1 Runway 23 - Fixed OBST**

- a) Power pole 284FT AMSL PSN 335217.0S 1504405.1E infringes by 4FT.

### 2.3.2 Runway 23 - Tree/Tree Group

- a) 301FT AMSL PSN 335216.1S 1504405.9E infringes by 21FT.
- b) 294FT AMSL PSN 335216.1S 1504405.9E infringes by 12FT.
- c) 294FT AMSL PSN 335215.7S 1504406.1E infringes by 12FT.
- d) 294FT AMSL PSN 335215.9S 1504410.8E infringes by 5FT.

### 2.3.3 Runway 05 - Tree/Tree Group

- a) 373FT AMSL PSN 335340.7S 1504117.6E infringes by 19FT.
- b) 370FT AMSL PSN 335338.5S 1504117.2E infringes by 18FT.
- c) 371FT AMSL PSN 335338.7S 1504116.8E infringes by 18FT.
- d) 364FT AMSL PSN 335337.5S 1504118.5E infringes by 15FT.
- e) 112FT AMSL PSN 335339.2S 1504118.2E infringes by 15FT.
- f) 364FT AMSL PSN 335338.0S 1504117.7E infringes by 13FT.
- g) 362FT AMSL PSN 335339.6S 1504118.7E infringes by 11FT.
- h) 361FT AMSL PSN 335339.0S 1504118.6E infringes by 11FT.
- i) 360FT AMSL PSN 335340.3S 1504118.8E infringes by 8FT.
- j) 367FT AMSL PSN 335339.7S 1504112.7E infringes by 7FT.

## 2.4 Inner Horizontal Surface Infringed

### 2.4.1 Fixed OBST

- a) Mobile phone TWR 417FT AMSL PSN 335140.9S 1504304.7E infringes SFC by 4FT.
- b) Mobile phone TWR 434FT AMSL PSN 335129.7S 1504204.6E infringes SFC by 20FT.
- c) SMR mast lightning rod 419FT AMSL PSN 335254.7S 1504223.4E infringes SFC by 5FT.

### 2.4.2 Tree/Tree Group

- a) 419FT AMSL PSN 335503.4S 1504033.8E infringes SFC by 5FT.
- b) 418FT AMSL PSN 335252.2S 1504128.6E infringes SFC by 4FT.
- c) 418FT AMSL PSN 335240.6S 1504126.3E infringes SFC by 5FT.
- d) 439FT AMSL PSN 335528.2S 1504140.6E infringes SFC by 26FT.

- e) 436FT AMSL PSN 335528.3S 1504141.8E infringes SFC by 22FT.
- f) 434FT AMSL PSN 335527.8S 1504144.3E infringes SFC by 21FT.
- g) 424FT AMSL PSN 335537.5S 1504152.8E infringes SFC by 11FT.
- h) 419FT AMSL PSN 335254.7S 1504127.4E infringes SFC by 6FT.
- i) 431FT AMSL PSN 335251.7S 1504123.9E infringes SFC by 18FT.
- j) 434FT AMSL PSN 335250.9S 1504122.2E infringes SFC by 21FT.
- k) 427FT AMSL PSN 335250.0S 1504122.7E infringes SFC by 13FT.

## **2.5 Conical Surface Infringed**

### **2.5.1 Tree/Tree Group**

- a) 430FT AMSL PSN 335542.3S 1504152.8E infringes SFC by 10FT.
- b) 453FT AMSL PSN 335547.0S 1504154.8E infringes SFC by 10FT.

## **2.6 Outer Horizontal Surface Infringed**

### **2.6.1 Fixed OBST**

- a) Lit radio TWR 814FT AMSL PSN 335141.6S 1505117.7E infringes by 56FT.
- b) Lit TWR 761FT AMSL PSN 335142.7S 1505103.1E infringes SFC by 4FT.
- c) Electric pylon 951FT AMSL PSN 335734.8S 1503447.6E infringes SFC by 193FT.
- d) Electric pylon 244FT AMSL PSN 335738.6S 1503518.1E infringes SFC by 42FT.

### **2.6.2 Tree/Tree Group**

- a) 788FT AMSL PSN 335654.3S 1503549.3E infringes SFC by 30FT.
- b) 811FT AMSL PSN 335644.3S 1503544.4E infringes SFC by 54FT.
- c) 906FT AMSL PSN 335632.1S 1503457.1E infringes SFC by 148FT.
- d) 807FT AMSL PSN 335635.0S 1503540.6E infringes SFC by 49FT.
- e) 797FT AMSL PSN 335657.9S 1503550.1E infringes SFC by 39FT.
- f) 923FT AMSL PSN 335727.1S 1503439.4E infringes SFC by 158FT.
- g) 916FT AMSL PSN 335724.3S 1503438.3E infringes SFC by 156FT.

- h) 779FT AMSL PSN 335658.6S 1503548.5E infringes SFC by 21FT.
- i) 761FT AMSL PSN 335659.8S 1503548.7E infringes SFC by 4FT.
- j) 771FT AMSL PSN 335659.1S 1503553.4E infringes SFC by 14FT.
- k) 774FT AMSL PSN 335741.8S 1503521.8E infringes SFC by 16FT.
- l) 888FT AMSL PSN 335752.3S 1503448.3E infringes SFC by 88FT.
- m) 786FT AMSL PSN 335519.9S 1503547.8E infringes SFC by 28FT.
- n) 773FT AMSL PSN 335454.8S 1503547.1E infringes SFC by 15FT.
- o) 950FT AMSL PSN 335649.0S 1503419.4E infringes SFC by 192FT.
- p) 989FT AMSL PSN 335422.8S 1503348.0E infringes SFC by 231FT.
- q) 956FT AMSL PSN 335551.7S 1503423.3E infringes SFC by 198FT.
- r) 948FT AMSL PSN 335556.2S 1503411.3E infringes SFC by 190FT.
- s) 763FT AMSL PSN 334802.7S 1503758.3E infringes SFC by 5FT.
- t) 843FT AMSL PSN 335453.1S 1503436.6E infringes SFC by 85FT.
- u) 803FT AMSL PSN 335031.5S 1503555.3E infringes SFC by 45FT.
- v) 906FT AMSL PSN 335153.9S 1503441.4E infringes SFC by 149FT.
- w) 867FT AMSL PSN 335124.1S 1503422.5E infringes SFC by 111FT.
- x) 874FT AMSL PSN 335037.2S 1503411.8E infringes SFC by 115FT.
- y) 1,005FT AMSL PSN 335104.2S 1503352.9E infringes SFC by 247FT.
- z) 843FT AMSL PSN 335404.4S 1503431.1E infringes SFC by 85FT.
- aa) 901FT AMSL PSN 335314.4S 1503413.0E infringes SFC by 144FT.
- ab) 799FT AMSL PSN 335234.6S 1503453.9E infringes SFC by 42FT.
- ac) 1,009FT AMSL PSN 335202.6S 1503353.7E infringes SFC by 251FT.
- ad) 875FT AMSL PSN 334959.4S 1503434.1E infringes SFC by 117FT.
- ae) 791FT AMSL PSN 334849.6S 1503506.2E infringes SFC by 33FT.
- af) 839FT AMSL PSN 334719.1S 1503741.4E infringes SFC by 82FT.

**3. CANCELLATION**

3.1 This SUP will remain current until it is incorporated into the AIP products.

**4. DISTRIBUTION**

4.1 Airservices Australia website only.