



# Australian Government

---

## Civil Aviation Safety Authority

Instrument Number: CASA.171.0013 Issue No: 16

I, Andrew Sparrow, Branch Manager, Air Navigation, Airspace & Aerodromes, National Operations & Standards, a delegate of CASA, make this instrument under regulation 171.027 of the *Civil Aviation Safety Regulations 1998*.

A handwritten signature in black ink, appearing to read 'Andrew Sparrow'.

.....  
Andrew Sparrow  
Branch Manager  
Air Navigation, Airspace & Aerodromes  
National Operations & Standards

11 December 2020

### Approval – Aeronautical Telecommunication and Radionavigation Service Provider

#### **1 Repeal**

Instrument Number CASA.171.0013 Issue No: 15 is repealed.

#### **2 Application**

This instrument applies to AIRSERVICES AUSTRALIA (the **operator**), ARN 202210, whose principal place of business is 25 Constitution Ave, CANBERRA, ACT 2601.

#### **3 Approval**

The operator is approved to provide the aeronautical telecommunication and radionavigation service described in Schedule 1 in accordance with its Operations Manual subject to any conditions and limitations expressed therein.

#### **4 Conditions**

It is a condition of this approval that the holder may only conduct the kinds of telecommunication or radionavigation services in the areas, and during the times, if any, specified in Schedule 1.

#### **5 Repeal of this instrument**

This instrument is repealed at the end of 31 May 2023.

# Schedule 1 to Part 171 ATEL/ANAV services approved to be provided by Airservices Australia

No: CASA.171.0013 Issue: 16

Listed services are detailed in the Airservices Facilities Baseline as referenced in the CASR Part 171 Operations Manual (171.110 – Technical Description)

It is a condition of this approval that the holder may only conduct the following kinds of telecommunication or radionavigation services in the areas, and during the times, if any, specified.

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)
<b>AERONAUTICAL BROADCAST</b>	National	Flight Information Service  Aeronautical Broadcast	<ul style="list-style-type: none"> <li>• National Aeronautical Information Processing System</li> <li>• Automatic Terminal Information Service Systems</li> <li>• Aeronautical En-Route Information Service (NB: Airservices is responsible for the receipt, distribution and transmission of information sourced from the Bureau of Meteorology).</li> <li>• VOLMET – HF Meteorological Service (NB: Airservices is responsible for the receipt, distribution and transmission of information sourced from the Bureau of Meteorology).</li> </ul> <p><b>Common Systems</b></p> <ul style="list-style-type: none"> <li>• Communications systems                             <ul style="list-style-type: none"> <li>- Microwave radio links</li> <li>- Satellite ground stations</li> <li>- Terrestrial cabling</li> <li>- Multiplexers</li> <li>- Data networking systems</li> </ul> </li> <li>• Voice Communication and Control Systems</li> <li>• Audio and Control Systems</li> <li>• ATC Consoles</li> </ul>	<ul style="list-style-type: none"> <li>• Public Telecommunication Networks                             <ul style="list-style-type: none"> <li>- Telstra</li> <li>- Optus</li> <li>- SITA</li> </ul> </li> <li>• Bureau of Meteorology</li> <li>• RVR – Runway Visual Range (Airport owners)</li> </ul>

# Schedule 1 to Part 171 ATEL/ANAV services approved to be provided by Airservices Australia

No: CASA.171.0013 Issue: 16

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)
<b>AERONAUTICAL FIXED SERVICE</b>	National and International	Air Traffic Control Area Approach Aerodrome  Aeronautical Information Service  Flight Information Service  Alerting Service  Ground-Ground Voice  Ground-Ground Data	<ul style="list-style-type: none"> <li>• EUROCAT</li> <li>• Integrated Tower Automation Suite</li> <li>• Electronic Strip Display System</li> <li>• Australian Aeronautical Messaging System</li> <li>• Intercom Control System</li> </ul> <p><b>Common Systems</b></p> <ul style="list-style-type: none"> <li>• Communications systems                             <ul style="list-style-type: none"> <li>- Microwave radio links</li> <li>- Satellite ground stations</li> <li>- Terrestrial cabling</li> <li>- Multiplexers</li> <li>- Data networking systems</li> </ul> </li> <li>• Aeronautical Data Interchange Network – Eurocat Wide Area Network</li> <li>• Voice Communication and Control System</li> <li>• Audio and Control Systems</li> <li>• ATC Consoles</li> </ul>	<ul style="list-style-type: none"> <li>• Public Telecommunication Networks                             <ul style="list-style-type: none"> <li>- Telstra</li> <li>- Optus</li> </ul> </li> <li>• Overseas Air navigation Service Providers</li> </ul>

# Schedule 1 to Part 171 ATEL/ANAV services approved to be provided by Airservices Australia

No: CASA.171.0013 Issue: 16

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)
<b>AERONAUTICAL MOBILE</b>	National	Air Traffic Control Area Approach Aerodrome  Alerting Service  Air-Ground Voice  Air-Ground Data	<ul style="list-style-type: none"> <li>• High Frequency (HF) Air-Ground-Air (Domestic and International)</li> <li>• Very High Frequency (VHF)</li> <li>• EUROCAT</li> </ul> <p><b>Common Systems</b></p> <ul style="list-style-type: none"> <li>• Communications systems                         <ul style="list-style-type: none"> <li>- Microwave radio links</li> <li>- Satellite ground stations</li> <li>- Terrestrial cabling</li> <li>- Multiplexers</li> <li>- Data networking systems</li> </ul> </li> <li>• Voice Communication and Control System</li> <li>• Audio and Control Systems</li> <li>• ATC Consoles</li> <li>• WAN- Wide Area Network</li> </ul>	<ul style="list-style-type: none"> <li>• Public Telecommunication Networks                         <ul style="list-style-type: none"> <li>- Telstra</li> <li>- Optus</li> <li>- SITA</li> </ul> </li> </ul>

# Schedule 1 to Part 171 ATEL/ANAV services approved to be provided by Airservices Australia

No: CASA.171.0013 Issue: 16

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)
<b>ATC DATA PROCESSING AND DISPLAY</b>	National	Air Traffic Control (Surveillance Separation) Area Approach Aerodrome  Air Traffic Control (Non Surveillance Separation) Area Approach Aerodrome  UTC Time System  Voice and Data Recording System	<ul style="list-style-type: none"> <li>• EUROCAT</li> <li>• Fall-Back System</li> <li>• Time Referenced Systems (Global Positioning System (GPS) and non-GPS)</li> <li>• Tower Situational Awareness Display</li> <li>• Aeronautical Messaging System</li> <li>• GPS Receiver Autonomous Integrity Monitoring (RAIM)</li> <li>• Aeronautical Reference Data Display and Distribution</li> <li>• Meteorological Information Service</li> <li>• Integrated Tower Automation Suite</li> <li>• Aeronautical Data Management System</li> <li>• Surveillance Services                             <ul style="list-style-type: none"> <li>- Radar</li> <li>- ADS-B</li> <li>- Wide Area Multilateration</li> <li>- Advanced Surface Movement Guidance and Control System</li> </ul> </li> </ul> <p><b>Common Systems</b></p> <ul style="list-style-type: none"> <li>• Communications systems                             <ul style="list-style-type: none"> <li>- Microwave radio links</li> <li>- Satellite ground stations</li> <li>- Terrestrial cabling</li> <li>- Multiplexers</li> <li>- Data networking systems</li> </ul> </li> </ul> Voice Communication and Control Systems  WAN – Wide Area Network Consoles Eurocat HMI	<ul style="list-style-type: none"> <li>• Public Telecommunication Networks                             <ul style="list-style-type: none"> <li>- Telstra</li> <li>- Optus</li> <li>- SITA</li> </ul> </li> <li>• Department of Defence Air Traffic Management System</li> </ul>

# Schedule 1 to Part 171 ATEL/ANAV services approved to be provided by Airservices Australia

No: CASA.171.0013 Issue: 16

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)
<b>MET DATA AND DISPLAY</b>	National	Flight Information Service  Aviation Meteorological Service	<ul style="list-style-type: none"> <li>• Meteorological Data Processing and Display System</li> <li>• Aeronautical Reference Data Display and Distribution System</li> <li>• Tower Meteorology System</li> <li>• Aeronautical Messaging System</li> <li>• Integrated Tower Automation Suite</li> </ul> <p><b>Common Systems</b></p> <ul style="list-style-type: none"> <li>• Communications systems                             <ul style="list-style-type: none"> <li>- Microwave radio links</li> <li>- Satellite ground stations</li> <li>- Terrestrial cabling</li> <li>- Multiplexers</li> <li>- Data networking systems</li> </ul> </li> <li>• Audio and Control Systems</li> <li>• ATC Consoles</li> <li>• Meteorological Information Service</li> </ul>	<ul style="list-style-type: none"> <li>• Bureau of Meteorology                             <ul style="list-style-type: none"> <li>- Met Sensors</li> <li>- Met Radar</li> <li>- Met Data Distribution</li> </ul> </li> <li>• Runway Visual Range (RVR) (Airport Owner)</li> <li>• Public Telecommunication Networks                             <ul style="list-style-type: none"> <li>- Telstra</li> <li>- Optus</li> <li>- SITA</li> </ul> </li> </ul>

# Schedule 1 to Part 171 ATEL/ANAV services approved to be provided by Airservices Australia

No: CASA.171.0013 Issue: 16

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)
<b>BRIEFING AND FLIGHT PLAN LODGEMENT</b>	National	Flight Information Service  Aeronautical Information (Pre-Flight)	<ul style="list-style-type: none"> <li>• National Aeronautical Information Processing System</li> <li>• Search and Rescue Database</li> <li>• GPS Receiver Autonomous Integrity Monitoring (RAIM)</li> <li>• Aeronautical Data Access System</li> </ul> <p><b>Common Systems</b></p> <ul style="list-style-type: none"> <li>• Communications systems                             <ul style="list-style-type: none"> <li>- Microwave radio links</li> <li>- Satellite ground stations</li> <li>- Terrestrial cabling</li> <li>- Multiplexers</li> <li>- Data networking systems</li> </ul> </li> <li>• Audio and Control Systems</li> <li>• ATC Consoles</li> <li>• Meteorological Information Service</li> </ul>	<ul style="list-style-type: none"> <li>• Public Telecommunication Networks                             <ul style="list-style-type: none"> <li>- Telstra</li> <li>- Optus</li> <li>- SITA</li> </ul> </li> <li>• Bureau of Meteorology                             <ul style="list-style-type: none"> <li>- Met Sensors</li> <li>- Met Data Distribution</li> </ul> </li> </ul>

# Schedule 1 to Part 171 ATEL/ANAV services approved to be provided by Airservices Australia

No: CASA.171.0013 Issue: 16

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)
<b>AERONAUTICAL RADIO NAVIGATION</b>	National	Aeronautical Radio Navigation	<ul style="list-style-type: none"> <li>• Distance Measuring Equipment</li> <li>• Instrument Landing System – Localiser, Glide Path and Marker</li> <li>• Non Directional Beacon</li> <li>• Very High Frequency Omni-Range</li> <li>• Ground Based Augmentation System</li> </ul> <p><b>Common Systems</b></p> <ul style="list-style-type: none"> <li>• Communications systems                             <ul style="list-style-type: none"> <li>- Microwave radio links</li> <li>- Satellite ground stations</li> <li>- Terrestrial cabling</li> <li>- Multiplexers</li> <li>- Data networking systems</li> </ul> </li> <li>• Voice Communication and Control System</li> <li>• Audio and Control Systems</li> <li>• ATC Consoles</li> </ul>	<ul style="list-style-type: none"> <li>• Public Telecommunication Networks                             <ul style="list-style-type: none"> <li>- Telstra</li> <li>- Optus</li> </ul> </li> <li>• Copper and Fibre cables(Airport Owner)</li> </ul>



# Schedule 1 to Part 171 ATEL/ANAV services approved to be provided by Airservices Australia

No: CASA.171.0013 Issue: 16

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)
<b>SURVEILLANCE</b>	National	Air Traffic Control (Surveillance Separation) Area Approach Aerodrome	<ul style="list-style-type: none"> <li>• Primary Surveillance Radar</li> <li>• Secondary Surveillance Radar (Mode A, C and S)</li> <li>• Automatic Dependent Surveillance – Broadcast</li> <li>• Wide Area Multilateration, including Precision Runway Monitor</li> <li>• Advanced Surface Movement Guidance and Control System</li> </ul> <p><b>Common Systems</b></p> <ul style="list-style-type: none"> <li>• Communications systems                             <ul style="list-style-type: none"> <li>- Microwave radio links</li> <li>- Satellite ground stations</li> <li>- Terrestrial cabling</li> <li>- Multiplexers</li> <li>- Data networking systems</li> </ul> </li> <li>• Voice Communication and Control System</li> <li>• Audio and Control Systems</li> <li>• ATC Consoles</li> </ul>	<ul style="list-style-type: none"> <li>• Department of Defence Radars</li> <li>• Public Telecommunication Networks                             <ul style="list-style-type: none"> <li>- Telstra</li> <li>- Optus</li> <li>- SITA</li> </ul> </li> <li>• Copper and Fibre cables (Airport Owner)</li> </ul>