Australian Government

Civil Aviation Safety Authority

Instrument Number: CASA.171.0013 Issue No: 19

I, Adrian Paul Slootjes, National Manager, Air Navigation, Airspace & Aerodromes, Air Navigation, Transformation & Risk Division, a delegate of CASA, make this instrument under regulation 171.027 of the *Civil Aviation Safety Regulations 1998*.

....

Adrian Paul Slootjes
National Manager
Air Navigation, Airspace & Aerodromes
Air Navigation, Transformation & Risk Division

23 April 2025

Approval – Aeronautical Telecommunication and Radionavigation Service Provider

1   Application

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

2   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.

3   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.

4   Expiry

Unless varied, suspended, revoked or cancelled, this permission stops having effect at the end of 30 June 2026.

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

No: CASA.171.0013 Issue: 19

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)

AERONAUTICAL BROADCAST	National	Flight Information Service
		
		Aeronautical Broadcast
			• National Aeronautical Information Processing System
			• Automatic Terminal Information Service Systems
			• Aeronautical En-Route Information Service (NB: Airservices is responsible for the receipt, distribution and transmission of information sourced from the Bureau of Meteorology).
			• VOLMET – HF Meteorological Service (NB: Airservices is responsible for the receipt, distribution and transmission of information sourced from the Bureau of Meteorology).
			Common Systems
			• Communications systems
			  - Microwave radio links
			  - Satellite ground stations
			  - Terrestrial cabling
			  - Multiplexers
			  - Data networking systems
			• Voice Communication and Control Systems
			• Audio and Control Systems
			• ATC Consoles
				• Public Telecommunication Networks
				  - Telstra
				  - Optus
				  - SITA
				• Bureau of Meteorology
				• RVR – Runway Visual Range (Airport owners)

Adrian Paul Slootjes
National Manager
Air Navigation, Airspace & Aerodromes
Air Navigation, Transformation & Risk Division

Page 2 of 9

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

No: CASA.171.0013 Issue: 19

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)

AERONAUTICAL FIXED SERVICE	National and International	Air Traffic Control
		Area
		Approach
		Aerodrome
		
		Aeronautical Information Service
		
		Flight Information Service
		
		Alerting Service
		
		Ground-Ground Voice
		
		Ground-Ground Data
			• EUROCAT
			• Integrated Tower Automation Suite
			• Electronic Strip Display System
			• Australian Aeronautical Messaging System
			• Intercom Control System
			
			Common Systems
			• Communications systems
			  - Microwave radio links
			  - Satellite ground stations
			  - Terrestrial cabling
			  - Multiplexers
			  - Data networking systems
			• Aeronautical Data Interchange Network – Eurocat Wide Area Network
			• Voice Communication and Control System
			• Audio and Control Systems
			• ATC Consoles
				• Public Telecommunication Networks
				  - Telstra
				  - Optus
				• Overseas Air Navigation Service Providers

Adrian Paul Slootjes
National Manager
Air Navigation, Airspace & Aerodromes
Air Navigation, Transformation & Risk Division

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

No: CASA.171.0013 Issue: 19

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)
AERONAUTICAL MOBILE	National	Air Traffic Control 　Area 　Approach 　Aerodrome Alerting Service Air-Ground Voice Air-Ground Data	• High Frequency (HF) Air-Ground-Air (Domestic and International) • Very High Frequency (VHF) • EUROCAT **Common Systems** • Communications systems 　- Microwave radio links 　- Satellite ground stations 　- Terrestrial cabling 　- Multiplexers 　- Data networking systems • Voice Communication and Control System • Audio and Control Systems • ATC Consoles • WAN- Wide Area Network	• Public Telecommunication Networks 　- Telstra 　- Optus 　- SITA

Adrian Paul Slootjes
National Manager
Air Navigation, Airspace & Aerodromes
Air Navigation, Transformation & Risk Division

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

No: CASA.171.0013 Issue: 19

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)

ATC DATA PROCESSING AND DISPLAY	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
			• EUROCAT
			• Fall-Back System
			• Time Referenced Systems (Global Positioning System (GPS) and non–GPS)
			• Tower Situational Awareness Display
			• Aeronautical Messaging System
			• Aeronautical Reference Data Display and Distribution
			• Meteorological Information Service
			• Integrated Tower Automation Suite
			• Aeronautical Data Management System
			• Surveillance Services
			  - Radar
			  - ADS-B
			  - Wide Area Multilateration
			  - Advanced Surface Movement Guidance and Control System
			Common Systems
			• Communications systems
			  - Microwave radio links
			  - Satellite ground stations
			  - Terrestrial cabling
			  - Multiplexers
			  - Data networking systems
			Voice Communication and Control Systems
			
			WAN – Wide Area Network Consoles
			Eurocat HMI
				• Public Telecommunication Networks
				  - Telstra
				  - Optus
				  - SITA
				
				• Department of Defence Air Traffic Management System

Adrian Paul Slootjes
National Manager
Air Navigation, Airspace & Aerodromes
Air Navigation, Transformation & Risk Division

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

No: CASA.171.0013 Issue: 19

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)

MET DATA AND DISPLAY	National	Flight Information Service
		
		Aviation Meteorological Service
			• Meteorological Data Processing and Display System
			• Aeronautical Reference Data Display and Distribution System
			• Tower Meteorology System
			• Aeronautical Messaging System
			• Integrated Tower Automation Suite
			
			Common Systems
			• Communications systems
			  - Microwave radio links
			  - Satellite ground stations
			  - Terrestrial cabling
			  - Multiplexers
			  - Data networking systems
			• Audio and Control Systems
			• ATC Consoles
			• Meteorological Information Service
				• Bureau of Meteorology
				  - Met Sensors
				  - Met Radar
				  - Met Data Distribution
				
				• Runway Visual Range (RVR) (Airport Owner)
				
				• Public Telecommunication Networks
				  - Telstra
				  - Optus
				  - SITA

Adrian Paul Slootjes
National Manager
Air Navigation, Airspace & Aerodromes
Air Navigation, Transformation & Risk Division

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

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)

BRIEFING AND FLIGHT PLAN LODGEMENT	National	Flight Information Service
		
		Aeronautical Information (Pre-Flight)
			• National Aeronautical Information Processing System
			• Search and Rescue Database
			• GPS Receiver Autonomous Integrity Monitoring (RAIM)
			• Aeronautical Data Access System
			
			Common Systems
			• Communications systems
			  - Microwave radio links
			  - Satellite ground stations
			  - Terrestrial cabling
			  - Multiplexers
			  - Data networking systems
			• Audio and Control Systems
			• ATC Consoles
			• Meteorological Information Service
				• Public Telecommunication Networks
				  - Telstra
				  - Optus
				  - SITA
				
				• Bureau of Meteorology
				  - Met Sensors
				  - Met Data Distribution

Adrian Paul Slootjes
National Manager
Air Navigation, Airspace & Aerodromes
Air Navigation, Transformation & Risk Division

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

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)

AERONAUTICAL RADIO NAVIGATION	National	Aeronautical Radio Navigation	• Distance Measuring Equipment
			• Instrument Landing System – Localiser and Glide Path
			• Non Directional Beacon
			• Very High Frequency Omni-Range
			• Ground Based Augmentation System
			
			Common Systems
			• Communications systems
			  - Microwave radio links
			  - Satellite ground stations
			  - Terrestrial cabling
			  - Multiplexers
			  - Data networking systems
			• Voice Communication and Control System
			• Audio and Control Systems
			• ATC Consoles
				• Public Telecommunication Networks
				  - Telstra
				  - Optus
				
				• Copper and Fibre cables(Airport Owner)

Adrian Paul Slootjes
National Manager
Air Navigation, Airspace & Aerodromes
Air Navigation, Transformation & Risk Division

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

CASR-171 Service Classifications (Chapter 2 MOS Part 171)	Coverage	ICAO Defined Services	Airways Systems	Support Services (External)

SURVEILLANCE	National	Air Traffic Control (Surveillance Separation)
		
		Area
		Approach
		Aerodrome
			• Primary Surveillance Radar
			• Secondary Surveillance Radar (Mode A, C and S)
			• Automatic Dependent Surveillance – Broadcast
			• Wide Area Multilateration, including Precision Runway Monitor
			• Advanced Surface Movement Guidance and Control System
			
			Common Systems
			• Communications systems
			  - Microwave radio links
			  - Satellite ground stations
			  - Terrestrial cabling
			  - Multiplexers
			  - Data networking systems
			• Voice Communication and Control System
			• Audio and Control Systems
			• ATC Consoles
				• Department of Defence Radars
				
				• Public Telecommunication Networks
				  - Telstra
				  - Optus
				  - SITA
				
				• Copper and Fibre cables(Airport Owner)

Adrian Paul Slootjes
National Manager
Air Navigation, Airspace & Aerodromes
Air Navigation, Transformation & Risk Division