



# NSW RFS AVIATION FLEET


With the recent addition of a Bell-412 helicopter generously donated by the Goodman Foundation (see page 8 for more information) and two Cessna Citations procured earlier in 2021 (see previous page), the NSW RFS aviation fleet is expanding. The Service now has three Fixed Wing and six Rotary Wing aircraft at its disposal to fight fires across the state.


In addition, the NSW RFS has access to approximately 300 aircraft through state-based 'call when needed' and National Aerial Firefighting Centre (NAFC) arrangements.


The nine Service-owned aircraft fulfill a range of roles, from water-bombing to lead plane duties, aerial scanning, search and rescue and firefighter transport. Together, these aircraft enable the Service to respond faster and better to fires, wherever in NSW they occur.


**Main image:** The 737 Large Air Tanker dropping retardant ahead of the Wooroloo fire near Perth, WA. Photo by DFES Incident Photographer Morten Boe.


## OUR FLEET SPECIFICATIONS

CESSNA CITATION		
	Call Sign	Fire Scan 200, 201
	Primary Role	Lead plane, scanning, transport
	Dimensions	Length: 15m   Wingspan: 16m
	Crew Make Up	1 pilot, 1 AAS and 1 Scan Mission operator
	Scan Equipment	Overwatch Image Systems
	Cruise Speed	Up to 400 knots
	Endurance	Up to 4 ½ hours

AS350		
	Call Sign	FB200
	Primary Role	Aerial intelligence
	Dimensions	Length: 10.9m   Rotor diameter: 10.7m
	Crew Make Up	Pilot, Airborne Systems operator
	Scan Equipment	Does not scan. High definition camera fitted instead.
	Cruise Speed	132kn / 245km/h
	Endurance	150 minutes

BK-117		
	Call Sign	HT201, HT202
	Primary Role	RART, RAFT, SAR
	Dimensions	Length: 13m   Rotor diameter: 11m
	Crew Make Up	1 pilot, 1 aircrew officer, 3-4 firefighters
	Scan Equipment	Nil
	Cruise Speed	120kn / 220 km/h
	Endurance	100 Minutes

BELL-412		
	Call Sign	HT203, HT204, HT205
	Primary Role	RART, RAFT, SAR, surveillance
	Dimensions	Length: 17.1 m   Rotor diameter: 14.02m
	Crew Make Up	1 Pilot, 1 aircrew, 4 firefighters
	Scan Equipment	FLIR Camera with live stream to URL
	Cruise Speed	122kn / 225km/h
	Endurance	130 Minutes

BOEING 737		
	Call Sign	Bomber 210
	Primary Role	Fire bombing, passenger transport (pending)
	Dimensions	Length: 33m   Wingspan: 29m
	Crew Make Up	2 pilots and 1 Engineering
	Scan Equipment	Nil
	Cruise Speed	Up to 460 knots
	Endurance	Up to 6 hrs at cruise (3 ½ hrs loaded with retardant)

Rapid Aerial Response Teams (RART)  
Remote Area Firefighting Team (RAFT)  
Search and Rescue (SAR)