

Notification Source Details	
Notification source:	Web
Status:	Loaded
Status date:	19 Sep 2018
Registered By	RPAS Inspector s. 47F(1)
E-Mail Address	s. 47F(1)
Phone Number	s. 47F(1)
Role	Other
When and Where	
Occurrence Date Time	16 Sep 2018 12:50
Location	Gratton Model Airfield (Calvert, Qld), QLD
Injury and Damage	
Injury Level	Nil
Damage Level	Destroyed
Damage Description	Aircraft is destroyed. 100 acres of property damaged by fire. Some infrastructure destroyed and electricity was cut to the property.
Effect on Flight	Engines shut down
Injuries	
	Fatal Serious Minor Not Injured Total
Crew	0
Passengers	0
Additional Crew Details	s. 47F(1) was an approved visitor to the Calvert Radio Controlled Model Society at Gratton Airfield. According to the incident report, s. 47F(1) was under assistance with a club instructor s. 47F(1) when the incident occurred.
Aircraft - Model Aircraft	
Aircraft Model	35cc Sbach 342 70"
Operation - Model Aircraft	
Flight Phase	Manoeuvring/airwork
Departed From	Gratton Airfield
Destination	Bexleigh Lane, Calvert Qld
Flight Rules	VFR
Flight Conditions	VMC
Operation Type	Sports Aviation
Owner	s. 47F(1)
Airspace - Model Aircraft	
Airspace Class	G
Airspace Type	Other
Altitude	400
Altitude Type	AGL
Text Summaries	
Summary	A model aircraft flying at the Gratton Model Airfield (located in Calvert, Qld) lost communication with the Remote Pilot. The plane entered a failsafe mode, spiralled into the ground and impacted into a neighbouring paddock. The LiPo batteries on the plane ruptured and started a fire, causing damage to the a 100 acre property, which included infrastructure. Fire response was called and RFS and aerial water bombing was utilised

	to extinguish the fire. A report has been provided to CASA along with photo's showing the damage.
Occurrence Type	
Mechanical Problem	
Contributing Factors	Loss of communication with Radio Controller and Model Aircraft. Failsafe activated, causing motor shutdown and the aircraft to spiral into the ground.
Is maintenance related?	
Safety Factors	
What Contributed?	Air related activity: Inexperienced Pilot Model aircraft maintenance (no confirmation it was performed) Faulty components and/or radio controlled equipment Ground related: Dry weather conditions, leading to dry grass - fuel ready for fire. LiPo rupture (self oxidising chemical battery) which, when ruptured will cause a fire, possible multiplicity of LiPo fire mixed with Model aircraft heavy fuel. Wind conditions up to 10kts.
Environment	
Icing Conditions	Nil
Lighting Conditions	Daylight
Precipitation Intensity	Nil
Precipitation Type	Nil
Visibility	10.0
Visibility Reduced By	None
Wind Speed	10 kts
Individual - Pilot in command	
Full Name	s. 47F(1)
Primary Phone Number	s. 47F(1)
Role	Pilot in command
Licence Type	Unknown



Australian Government
Australian Transport Safety Bureau

ICAO Annex 13 Chapter 4
Accident & Serious Incident Notification

ATSB Reference: 201806667 **Category:** Accident
Investigation: No
Date and Time: Sunday, September 16, 2018 12:50 PM EST
Location: Toowoomba Aerodrome, 105° M 59Km
State: QLD **Country:** Australia
Latitude: -27.7722 **Longitude:** 152.4542
Highest Injury: Nil
Occurrence: Operational - Terrain Collisions - Collision with terrain
Site Access: Accessible
Dangerous Goods: Nil

Injury Details:	Crew	Passenger	Ground
Fatal	0	0	0
Serious	0	0	0
Minor	0	0	0
Nil	0	0	-

Nationalities: N/A

Aircraft Details:

Model Aircraft

Aircraft Type: Remotely Piloted Aircraft
Serial Number:
Manufacturer: Aeroplus
Model: 35cc Sbach 342 70"
Engine Manufacturer: N/A
Engine Model: N/A
Operation: Aerial Work Check & Training
Damage Level: Destroyed
Country of Registration:
Country of Manufacture: China
Departed: Grattton Airfield
Destination: Bexleigh Lane, Calvert Qld

Summary: During cruise, the model aircraft failed to respond to control inputs, entered fail safe mode and subsequently collided with terrain. The aircraft was destroyed by the post impact fire.

201806667 - Occurrence Summary

Overview	
Occurrence date	16 Sep 18
Occurrence time	12:50 EST
Logged date	03 Oct 18
Occurrence category	Accident
ATSB involvement	Data entry
Status	Reviewed
Highest injury	Nil

Occurrence Types	
Operational - Terrain Collisions - Collision with terrain	
Technical - Systems - Datalink (UAS)	
Operational - Aircraft control - Loss of control	

Aircrafts Summary			
Registration	Model Common Name	Maximum Weight Category	Operation Type
Model Aircraft		2251-5700 Kg (4960-12565 Lbs)	Aerial Work

Summary	
ATSB summary	During cruise, the model aircraft failed to respond to control inputs, entered fail safe mode and subsequently collided with terrain. The aircraft was destroyed by post-impact fire.