



National Transportation Safety Board Aviation Accident Preliminary Report

Location:	Marion, IN	Accident Number:	CEN18FA132A
Date & Time:	04/02/2018, 1509 EDT	Registration:	N5614E
Aircraft:	CESSNA 150	Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

On April 2, 2018, about 1709 eastern standard time, a Cessna 150 airplane, N5614E, registered to the pilot, was destroyed when it collided with a Cessna 525 business jet, N511AC, while taking off from runway 15 at the Marion Municipal Airport (MZZ), Marion, Indiana. The private pilot and passenger of the Cessna 150 sustained fatal injuries and the airline transport pilot and 4 passengers of the Cessna 525 were not injured. Visual meteorological conditions prevailed in the area. Both flights were being conducted under the provisions of Federal Code of Regulations Part 91. The Cessna 150 was departing on runway 15 at MZZ a local VFR personal flight and the Cessna 525 was landing on runway 22 after an IFR flight that originated from Jackson, Michigan.

Examination of the accident site showed that the Cessna 150 had struck the empennage of the Cessna 525 at the intersection of runways 15 and 22. Evidence at the intersection showed that the airplanes came together perpendicular to each other. The Cessna 150 then impacted the ground and a post-crash fire ensued. The Cessna 525 continued to roll out on runway 22. There were three witnesses to the accident, located in the airport lounge, within hearing distance of the UNICOM radio. Each witness reported seeing the Cessna 150 just airborne when it struck the empennage of the Cessna 525. Two of the witnesses stated that they heard the Cessna 150 pilot on runway 15 UNICOM frequency. The surviving pilot of the Cessna 525 stated that he did not see the departing Cessna 150 while he was on a straight-in approach to runway 22, nor did he see the 150 during the landing roll. He stated that he did not recall making a radio call on UNICOM, but did utilize his on board Traffic Collision Avoidance System (TCAS) system while on approach. He stated that the TCAS did not show any traffic on the airport. Passengers aboard the Cessna 525 were interviewed and all reported that they did not see the Cessna 150 on the approach or during the landing roll.

The reported weather at MZZ at the time of the accident was VFR with 4 miles of visibility due to haze. Also, at the departure and arrival ends of runway 15/33, there was a sign stating, "Traffic Using Runway 4/22 Cannot Be Seen, Monitor Unicom 122.7." At the departure and arrival ends of runway 4/22, there was a sign stating, "Traffic Using 15/33 cannot Be Seen, Monitor Unicom 122.7." The MKK airport does not have a control tower.

The Cessna 525 was equipped with a cockpit voice recorder (CVR). The CVR was removed and transported to the NTSB Vehicle Recorders Lab, Washington, DC.

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N5614E
Model/Series:	150 UNDESIGNAT	Aircraft Category:	Airplane
Amateur Built:	No		
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MZZ, 858 ft msl	Observation Time:	1655 EST
Distance from Accident Site:	0 Nautical Miles	Temperature/Dew Point:	5°C / -1°C
Lowest Cloud Condition:	Clear	Wind Speed/Gusts, Direction:	9 knots, 140°
Lowest Ceiling:	None	Visibility:	4 Miles
Altimeter Setting:	30.01 inches Hg	Type of Flight Plan Filed:	None
Departure Point:	Marion, IN (MZZ)	Destination:	Marion, IN (MZZ)

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Fatal	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Fatal	Latitude, Longitude:	40.490833, 85.679722

Administrative Information

Investigator In Charge (IIC):	Alexander Lemishko
Additional Participating Persons:	Dale Hoff; FAA FSDO; Indianapolis, IN Terry Dill; FAA FSDO; Indianapolis, IN Ricardo Arsenio; Cessna; Wichita, KS
Note:	The NTSB traveled to the scene of this accident.