



National Transportation Safety Board Aviation Accident Data Summary

Location:	McKinney, TX	Accident Number:	CEN13CA040
Date & Time:	11/02/2012, 0830 CDT	Registration:	N172FU
Aircraft:	CESSNA 172S	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The student pilot reported that he was conducting a solo flight in the airport traffic pattern at the time of the accident. He stated that the airplane made a "soft landing on [the] main wheels." However, once the nose landing gear touched down, the airplane "darted" to the left. His attempts to maintain control were unsuccessful, and the airplane departed the runway pavement. A postaccident examination did not reveal any anomalies related to the nosewheel steering or main wheel brakes. The recorded wind was calm about the time of the accident.

Flight Events

- Landing - Loss of control on ground
- Landing - Runway excursion
- Landing - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The student pilot's loss of directional control during landing.

Findings

- Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not attained/maintained - C
- Personnel issues-Task performance-Use of equip/info-Aircraft control-Student pilot - C
- Personnel issues-Experience/knowledge-Experience/qualifications-Total experience w/ equipment-Student pilot

Student Pilot Information

Certificate:	Student	Age:	22
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	25 hours (Total, all aircraft), 25 hours (Total, this make and model), 1 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 25 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N172FU
Model/Series:	172S	Engines:	1 Reciprocating
Operator:	Flight Training Aircraft Inc.	Engine Manufacturer:	LYCOMING
Air Carrier Operating Certificate:	None	Engine Model/Series:	IO-360-L2A
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	TKI, 589 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	Calm
Temperature:	14°C / 11°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	McKinney, TX (TKI)	Destination:	McKinney, TX (TKI)

Airport Information

Airport:	Collin County Regional (TKI)	Runway Surface Type:	Concrete
Runway Used:	18	Runway Surface Condition:	Dry
Runway Length/Width:	7002 ft / 150 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Timothy Sorensen	Adopted Date:	02/27/2013
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=85493		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.