

**NATIONAL TRANSPORTATION SAFETY BOARD**  
**NTSB Form 6120.1**  
**PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT**

The pilot/operator aircraft accident/incident report may be filed by mailing in this form, per instructions on the last page. Copies of this form may be obtained from the NTSB Web site <<http://www.nts.gov>>, the National Transportation Safety Board Regional Offices, and the Federal Aviation Administration Flight Standards District Offices.

Rules pertaining to aircraft accidents/incidents, overdue aircraft, and safety issues are contained in Part 830 of the National Transportation Safety Board's Regulations, 49CFR. These rules state the authority of the Board, define accidents, incidents, injuries, and other terms, and provide procedures for initial and immediate notification by aircraft pilots/operators.

#### A. APPLICABILITY

The pilot/operator of an aircraft shall file a report with the Regional Office of the National Transportation Safety Board nearest the accident or incident for which immediate notification is required by section 830.5(a). **The report shall be filed within ten (10) days after an accident for which notification is required by Section 830.5 or when, after seven (7) days, an overdue aircraft is still missing.** An aircraft accident, as defined in 49CFR 830.2, is determined as an occurrence that involves a fatality, serious injury, or substantial damage. For occurrences that do not involve a fatality, the determination that the occurrence is an accident can be appealed by writing to the Director, Office of Aviation Safety, National Transportation Safety Board, 490 L'Enfant Plaza, S.W., Washington, D.C. 20594.

The Pilot/Operator Aircraft Accident/Incident Report Form is used in determining the facts, conditions, and circumstances for aircraft accident prevention activities and for statistical purposes. It is necessary that **ALL** questions be answered completely and accurately to serve the above purposes.

**INSTRUCTIONS TO PILOTS/OPERATORS FOR COMPLETING THIS FORM**  
**It is necessary that ALL questions on this report be answered completely and accurately.**  
**If more space is needed, continue on a blank sheet.**

*Nearest City/Place:* Use the name of the nearest community that has a Post Office in the state where the accident/incident occurred.

*Date & Time:* Indicate the date and local time of the event. Be sure to indicate the time zone.

*Phase of Operation:* Indicate the phase of operation during which the accident/incident occurred.

*Aircraft Information:* Enter aircraft make and model information as indicated on the aircraft registration certificate, including series. If the involved aircraft is certified as "amateur-built," include the name of manufacturer of the kit or plans when appropriate.

*Max Gross Weight:* Enter the certificated max gross weight for the aircraft involved in the occurrence. This should be the same as the maximum gross weight indicated on the aircraft weight and balance documents.

*Airworthiness Certificate:* For light sport aircraft, if aircraft certificated as "Light Sport - Experimental", check both the "Light Sport" and "Experimental" check boxes.

*Type of Fire Extinguishing System:* If a fire extinguishing system was used to fight an aircraft fire, specify the type(s) of extinguishing system(s) used. Examples include handheld extinguisher, engine fire bottle,

#### B. DEFINITIONS

1. "Aircraft Accident" means an occurrence associated with the operation of an aircraft that takes place between the time any person boards the aircraft with the intention of flight and all such persons have disembarked, and in which any person suffers death, or serious injury, or in which the aircraft receives substantial damage. For purposes of this form, the definition of "aircraft accident" includes "unmanned aircraft accident," as defined at 49 C.F.R. 830.2.

2. "Substantial Damage" means damage or failure which adversely affects the structural strength, performance or flight characteristics of the aircraft, and which would normally require major repair or replacement of the affected component. NOTE: Engine failure or damage limited to an engine if only one engine fails or is damaged, bent fairing or cowling, dented skin, small puncture holes in the skin or fabric, ground damage to rotor or propeller blades, and damage to landing gear, wheels, tires, flaps, engine accessories, brakes, or wing tips are not considered "substantial damage" for purposes of this report.

3. "Operator" means any person who causes or authorizes the operation of an aircraft, such as the owner, lessee, or bailee of an aircraft.

4. "Fatal Injury" means any injury that results in death within thirty (30) days of the accident.

5. "Serious Injury" means any injury that (1) requires hospitalization for more than 48 hours, commencing within 7 days from the date the injury was received; (2) results in a fracture of any bone (except simple fracture of fingers, toes, or nose); (3) causes severe hemorrhages, nerve, muscle, or tendon damage; (4) involves injury to any internal organ; or (5) involves second- or third-degree burns, or any burns affecting more than 5 percent of the body surface.

cargo/baggage compartment fire suppression system, or airport emergency ground equipment.

*Engine:* Enter engine make and model information as indicated on the engine data plate.

*Owner/Operator Information:* Enter the owner information as shown on the registration certificate. Commercial operators, enter the operator information, including "Doing Business as" when applicable, as shown on the operator certificate.

*Revenue Sightseeing Flight:* Indicate whether the accident aircraft was conducting **revenue** sightseeing operations under FAR Part 91 at the time of the accident.

*Public Use:* Federal, state or local government flight operations such as official travel, law-enforcement, low-level observation, aerial application, firefighting, search and rescue, biological or geological resource management, or aeronautical research. Military operations should not be included under public use. If public use, also indicate whether the flight was conducted by Federal, State, or Local government.

*Air Medical Flight:* Indicate whether accident flight was being conducted for the purpose of carrying medical personnel, patient(s), or organs.

**Purpose of Flight (FAR 91, 103, 133, 137):** Indicate the type of operation that was being conducted at the time of the occurrence using the following definitions:

**PERSONAL**—Flying for personal reasons (excludes business transportation) including pleasure or personal transportation. This also includes practice or proficiency flights performed under flight instructor supervision and not part of an approved flight training program.

**BUSINESS**—Includes all personal flying **without** a paid, professional crew for reasons associated with furthering a business, including transportation to and from business meetings or work. This does not include corporate/executive operations, air taxi, or commuter operations.

**EXECUTIVE/CORPORATE**—Company flying **with** a paid, professional crew.

**OTHER WORK USE**—Miscellaneous flight operations conducted for compensation or hire such as construction work (not FAR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.

**INSTRUCTIONAL**—Flying while under the supervision of a flight instructor or receiving air carrier training. Personal proficiency flight operations and personal flight reviews, as required by federal air regulations, are excluded.

**FERRY**—Non-revenue flight under a special flight or “ferry” permit. Refer to 14 CFR 21.197 for details of special flight permit issuance.

**POSITIONING**—Non-revenue flight conducted for the primary purpose of moving the aircraft to a maintenance facility or to load passengers or cargo, etc.

**AERIAL APPLICATION**—Operations using an aircraft to perform aerial application or dispersion of any substance. Examples include agricultural, health, forestry, cloud seeding, firefighting, insect control, etc.

**AERIAL OBSERVATION**—Aerial mapping/photography, patrol, search and rescue, hunting, highway traffic advisory, ranching, surveillance, oil and mineral exploration, criminal pursuit, fish spotting, etc.

**AIR DROP**—Aerial operations, other than aerial application, that are intended to release items in flight.

**AIR RACE/SHOW**—Includes any flight operations conducted as part of an organized air race or public demonstration.

**FLIGHT TEST**—Flight for the purpose of investigating the flight characteristics of an aircraft/aircraft component, or evaluating an applicant for a pilot certificate or rating.

**PUBLIC USE**—See definition above.

**UNKNOWN**—Use only if the primary purpose of flight is not known.

**Other Aircraft – Collision:** For all accidents involving a collision with another aircraft, including parked aircraft, check “Collision with other aircraft” under Basic Information and complete this section indicating details about the OTHER aircraft involved in the collision.

**Airport Information:** Complete this section if the accident/incident occurred on approach, takeoff, or within 3 miles of an airport. Please refer to the FAA Airport/Facility Directory or other official source for airport information.

**Airport Identification:** Provide the official 3 or 4 character airport identifier.

**Runway:** Indicate the number of the runway used, including L, R, or C if applicable.

**Runway/Landing Surface:** Indicate the type of intended runway/landing surface (do not indicate surface conditions). If the surface type was mixed, check all that apply.

**Condition of Runway/Landing Surface:** Indicate the condition of the intended runway/landing surface. If multiple conditions existed at the time of the accident, check all that apply.

**Weather Information at the Accident/Incident Site:** Indicate the weather conditions reported at the accident/incident site at the time of occurrence. If no weather reporting was available for the accident/incident site, indicate the reported conditions at the nearest reporting site. Specify the weather reporting site identifier, the observation time, and distance from the accident/incident site.

**Sky/Lowest Cloud Condition:** Indicate the height above ground level of the lowest cloud condition present at the time of the accident and whether coverage was reported as few, scattered, broken or overcast. Also indicate the height above ground level and coverage of the lowest cloud ceiling present at the time of the accident (reported as broken or overcast).

**NOTAMs ((D), (L) and FDC), AIRMETS, SIGMETs, PIREPs:** Describe all NOTAMs, AIRMETS, SIGMETs, PIREPs in effect near the accident/incident. For NOTAMs, state if they were distant (D), local (L), or Flight Data Center (FDC), if known.

**Pilot Information:** Indicate the category that best describes the capacity served by this flight crewmember at the time of the accident. The designators “Pilot A” and “Pilot B” do not refer to a specific pilot position or responsibility. If more than one pilot is aboard, they may be entered in any order and their capacity entered as appropriate.

**Degree of Injury:** See Definitions on the top half of Page 1 of the Instructions. Minor injury is not defined. If an injury does not meet the criteria for another injury category, select Minor.

**Date of Last Flight Review or Equivalent:** Enter the date of the most recent flight review, or equivalent, completed by this pilot. Refer to 14 CFR 61.56 for accepted equivalents.

**Type Ratings:** List all type ratings on the pilot certificate. If the pilot holds no type ratings indicate “none”. If the pilot holds a pilot certificate other than student, and was flying an aircraft requiring an endorsement enter the type and date of any logbook endorsement(s) for that aircraft. See 14 CFR 61 for examples of required endorsements.

**Student Endorsements:** If the pilot holds a student pilot certificate, enter all solo endorsements and dates on the student pilot certificate.

**Flight Time:** Complete the flight time matrix. Solo flight time should be included as “Pilot-in-Command (PIC)” and all dual flight instruction given should be included as “Time as Instructor”.

**Additional Flight Crew Members:** Complete this section if there were more than two required flight crew members on the aircraft. This also includes a check airman performing official duties, but does not include cabin crew. State the capacity served by each included crewmember at the time of the accident.

**Passenger(s)/Other Personnel:** Please enter identification and injury severity information for all passengers and other personnel involved in the accident. See page 1 of the instructions for the official definition of injury levels. Occupants are considered “Revenue” passengers if they were being carried for compensation or hire. The option “FAA” refers to any FAA personnel performing a flight related function, including flight check, airman practical test, etc.

Several questions throughout the form allow for multiple responses; when appropriate choose all responses that apply.

**These instructions only pertain to major issue areas covered by the NTSB Form 6120.1 Pilot/Operator Aircraft Accident/Incident Report. For additional definitions of questions and responses, please refer to <<http://www.nts.gov>>.**





**Description of Damage to Aircraft and Other Property** (use additional sheet if necessary)

The airplane departed the end of the runway and impacted the airport boundary fence coming to rest on a four-lane highway about 1,000 feet from the runway.

**AIRPORT INFORMATION** (If the accident/incident occurred on approach, takeoff or within 3 miles of an airport, complete this section)

**Airport Identifier:** KFCM **Distance From Airport Center:** 1 SM  
**Airport Name:** Flying Cloud Airport **Direction From Airport:** 090 degrees MAG  
**Proximity to Airport**  Off Airport/Airstrip  On Airport  On Airstrip **Airport Elevation:** 906 ft. MSL

**Approach Segment** (Select one)  
 On Instrument Approach  Landing  Base leg  Final  Go Around  
 Crosswind  Downwind  Low Approach  Aborted Landing (after touchdown)

**IFR Approach** (Check all that apply) **VFR Approach** (Check all that apply)  
 None  PAR  MLS  Practice  None  Stop and Go  
 ADF/NDB  Sidesstep  LDA  GPS  Traffic Pattern  Touch and Go  
 SDF  ILS  ASR  Loran  Straight-In  Simulated Forced Landing  
 VOR/TVOR  Localizer Only  Visual  Unknown  Valley/Terrain Following  Forced Landing  
 VOR/DME  LOC-back course  Contact  Go Around  Precautionary Landing  
 TACAN  RNAV  Circling  Full Stop  Unknown

**Runway Information** **Condition of Runway/Landing Surface** (Check all that apply)  
Runway ID: 10R (L/R/C) Length: 5,000 ft Width: 100 ft  
 Dry  Snow-Compacted  Water-Calm  
 Holes  Snow-Crusted  Water-Choppy  
 Ice Covered  Snow-Dry  Water-Glassy  
 Rough  Snow-Wet  Wet  
 Rubber Deposits  Soft  Unknown  
 Slush Covered  Vegetation

**Runway/Landing Surface** (Check all that apply)  
 Asphalt  Grass/Turf  Macadam  Water  
 Concrete  Gravel  Metal/Wood  Unknown  
 Dirt  Ice  Snow

**FLIGHT ITINERARY INFORMATION**

**Last Departure Point** **Time of Departure** **Destination** **Type Flight Plan Filed**  
Airport ID: KPIT Time: 0730 Airport ID: KFCM  None  VFR/IFR  
City: Pittsburgh City: Minneapolis  Company VFR  IFR  
State: PA State: Minnesota  Military VFR  Unknown  
Country: United States Country: United States  VFR  
**Activated?**  Yes  No

**Type of ATC Clearance/Service** (Check all that apply)  
 None  Special VFR  Special IFR  VFR Flight Following  Cruise  
 VFR  IFR  VFR On Top  Traffic Advisory  Unknown / NA

**Airspace where the accident/incident occurred** (Check all that apply)  
 Class A  Class E  Prohibited Area  Jet Training Area  Special  
 Class B  Class G  Restricted Area  TRSA  Air Traffic Control Area  
 Class C  Demo Area  Military Operations Area (MOA)  FAR 93  Unknown  
 Class D  Warning Area  Airport Advisory Area

**Aircraft Load Description** (Check all that apply)  
 None  Towing Glider  Parachutists  Livestock  
 Passengers  Towing Banner  Water  Unknown  
 Cargo  Other External  Chemical/Fertilizer/Seeds

**FUEL & SERVICES INFORMATION**

**Fuel on Board at Last Takeoff** (convert from pounds, as necessary) **Fuel Type**  
680 Gallons  80/87  115/145  JP3  Other, specify \_\_\_\_\_  
 100 Low Lead  Jet A  JP4  
 100/130  Automotive  JP5

**Other Services, if Any, Prior to Departure**  
No mechanical services.

## EVACUATION OF AIRCRAFT

Was an emergency evacuation of the aircraft performed?  Yes  No

**Method of Exit** – Describe how the occupants exited and how many occupants evacuated each location

Two pilots exited via the main cabin door.

## WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

<b>Weather Observation Facility</b> Facility ID: <u>KFCM</u> Observation Time: <u>1338z</u> Time Zone: <u>Central</u> Distance from Accident Site: _____ <u>0</u> NM Direction from Accident Site: _____ <u>000</u> degrees MAG	<b>Source of Weather Information</b> <i>(Check all that apply)</i> <input type="checkbox"/> National Weather Service <input type="checkbox"/> Flight Service Station <input type="checkbox"/> TV/Radio <input checked="" type="checkbox"/> Automated Report <input type="checkbox"/> Commercial Weather Service (DUATS) <input type="checkbox"/> Company <input type="checkbox"/> Military <input type="checkbox"/> Internet <input type="checkbox"/> Unknown	<b>Method of Briefing</b> <i>(Check all that apply)</i> <input type="checkbox"/> In Person <input type="checkbox"/> Teletype <input type="checkbox"/> Telephone/Computer <input checked="" type="checkbox"/> Aircraft Radio <input type="checkbox"/> TV/Radio <input type="checkbox"/> Unknown
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<b>Briefing Type/Completeness</b> <input type="checkbox"/> Full <input type="checkbox"/> Partial / Limited By Pilot <input type="checkbox"/> Partial / Limited By Briefer <input type="checkbox"/> Abbreviated <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Not Pertinent	<b>Light Condition</b> <input type="checkbox"/> Dawn <input checked="" type="checkbox"/> Day <input type="checkbox"/> Dusk <input type="checkbox"/> Night <input type="checkbox"/> Dark Night <input type="checkbox"/> Bright Night <input type="checkbox"/> Not Reported	<b>Visibility</b> _____ <u>6</u> miles
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<b>Sky/Lowest Cloud Condition</b> <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Few <input type="checkbox"/> Partial Obscuration <input type="checkbox"/> Scattered <input type="checkbox"/> Thin Broken <input type="checkbox"/> Thin Overcast <input type="checkbox"/> Unknown	<b>Ceiling</b> <input type="checkbox"/> None (clear) <input type="checkbox"/> Broken <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Obscured <input type="checkbox"/> Indefinite <input type="checkbox"/> Unknown	<b>Restriction to Visibility</b> <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Blowing Dust <input type="checkbox"/> Blowing Sand <input type="checkbox"/> Blowing Snow <input type="checkbox"/> Blowing Spray <input type="checkbox"/> Dust <input type="checkbox"/> Fog <input type="checkbox"/> Ground Fog <input type="checkbox"/> Haze <input type="checkbox"/> Ice Fog <input type="checkbox"/> Smoke <input type="checkbox"/> Unknown
<b>Lowest Cloud Condition Height</b> _____ <u>200</u> ft AGL	<b>Ceiling Height</b> _____ <u>7,000</u> ft AGL	

<b>Wind Direction</b> <input checked="" type="checkbox"/> Indicated: _____ <u>150</u> degrees MAG <input type="checkbox"/> Variable	<b>Wind Speed</b> Velocity: _____ <u>4</u> KTS -or- <input type="checkbox"/> Calm <input type="checkbox"/> Light and Variable	<b>Wind Gusts</b> Velocity: _____ KTS <input type="checkbox"/> Gusting <input checked="" type="checkbox"/> Not Gusting	<b>Type of Turbulence</b> <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> Clear Air <input type="checkbox"/> In Clouds <input type="checkbox"/> Vicinity of Thunderstorm <b>Severity of Turbulence</b> <input type="checkbox"/> Extreme <input type="checkbox"/> Severe <input type="checkbox"/> Moderate <input type="checkbox"/> Moderate Chop <input type="checkbox"/> Light
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**NOTAMs (D, L and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident**  
 See Attached

<b>Temperature:</b> _____ <u>18</u> (C) or _____ (F) <b>Altimeter Setting:</b> _____ <u>29.89</u> in. HG or _____ MB <b>Density Altitude:</b> _____ <u>1,547</u> ft <b>Dew Point:</b> _____ <u>17</u> (C) or _____ (F)	<b>Icing Forecast</b> <b>Amount</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Trace <input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Severe <b>Type</b> <input type="checkbox"/> Rime <input type="checkbox"/> Clear <input type="checkbox"/> Mixed <hr/> <b>Icing Actual</b> <b>Amount</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Trace <input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Severe <b>Type</b> <input type="checkbox"/> Rime <input type="checkbox"/> Clear <input type="checkbox"/> Mixed	<b>Type of Precipitation</b> <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Hail <input type="checkbox"/> Rain Showers <input type="checkbox"/> Freezing Rain <input type="checkbox"/> Snow Shower <input type="checkbox"/> Drizzle <input type="checkbox"/> Ice Pellets <input type="checkbox"/> Snow Pellets <input type="checkbox"/> Snow Grains <input type="checkbox"/> Ice Crystals <input type="checkbox"/> Ice Pellets Shower <input type="checkbox"/> Freezing Drizzle <hr/> <b>Intensity of Precipitation</b> <input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy
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**ADDITIONAL FLIGHT CREW MEMBERS (Exclusive of cabin attendants, complete the following information)**

<b>Pilot Name and Address</b>		<b>Degree of Injury</b> <input type="checkbox"/> None <input type="checkbox"/> Fatal <input type="checkbox"/> Minor <input type="checkbox"/> Unknown <input type="checkbox"/> Serious
First Name: <u>NA</u> Middle Initial: <u>NA</u> Last Name: <u>NA</u>	City: <u>NA</u> State: <u>NA</u> ZIP: <u>NA</u> Country: <u>NA</u>	

<b>Pilot Certificate(s) (Check all that apply)</b>		<b>Seat Occupied</b> <input type="checkbox"/> Left <input type="checkbox"/> Front <input type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single <input type="checkbox"/> Unknown
<input type="checkbox"/> None <input type="checkbox"/> Student <input type="checkbox"/> Recreational <input type="checkbox"/> Commercial <input type="checkbox"/> Flight Engineer <input type="checkbox"/> Foreign <input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military		

<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs
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<b>Pilot Name and Address</b>		<b>Degree of Injury</b> <input type="checkbox"/> None <input type="checkbox"/> Fatal <input type="checkbox"/> Minor <input type="checkbox"/> Unknown <input type="checkbox"/> Serious
First Name: <u>NA</u> Middle Initial: <u>NA</u> Last Name: <u>NA</u>	City: <u>NA</u> State: <u>NA</u> ZIP: <u>NA</u> Country: <u>NA</u>	

<b>Pilot Certificate(s) (Check all that apply)</b>		<b>Seat Occupied</b> <input type="checkbox"/> Left <input type="checkbox"/> Front <input type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single <input type="checkbox"/> Unknown
<input type="checkbox"/> None <input type="checkbox"/> Student <input type="checkbox"/> Recreational <input type="checkbox"/> Commercial <input type="checkbox"/> Flight Engineer <input type="checkbox"/> Foreign <input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military		

<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs
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<b>Pilot Name and Address</b>		<b>Degree of Injury</b> <input type="checkbox"/> None <input type="checkbox"/> Fatal <input type="checkbox"/> Minor <input type="checkbox"/> Unknown <input type="checkbox"/> Serious
First Name: <u>NA</u> Middle Initial: <u>NA</u> Last Name: <u>NA</u>	City: <u>NA</u> State: <u>NA</u> ZIP: <u>NA</u> Country: <u>NA</u>	

<b>Pilot Certificate(s) (Check all that apply)</b>		<b>Seat Occupied</b> <input type="checkbox"/> Left <input type="checkbox"/> Front <input type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single <input type="checkbox"/> Unknown
<input type="checkbox"/> None <input type="checkbox"/> Student <input type="checkbox"/> Recreational <input type="checkbox"/> Commercial <input type="checkbox"/> Flight Engineer <input type="checkbox"/> Foreign <input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military		

<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs
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**PASSENGER(S) / OTHER PERSONNEL (Include flight attendants; continue on separate sheet if necessary)**

Name and Address	Seat	Crew	Non-Revenue	Revenue	Non-Occupant	FAA	Fatal	Serious Injury	Minor Injury	No Injury	Unknown
First Name: <u>NA</u> City: <u>NA</u> Middle Initial: <u>NA</u> State: <u>NA</u> ZIP: <u>NA</u> Last Name: <u>NA</u> Country: <u>NA</u>	<u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: _____      City: _____ Middle Initial: _____      State: _____      ZIP: _____ Last Name: _____      Country: _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: _____      City: _____ Middle Initial: _____      State: _____      ZIP: _____ Last Name: _____      Country: _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: _____      City: _____ Middle Initial: _____      State: _____      ZIP: _____ Last Name: _____      Country: _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: _____      City: _____ Middle Initial: _____      State: _____      ZIP: _____ Last Name: _____      Country: _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: _____      City: _____ Middle Initial: _____      State: _____      ZIP: _____ Last Name: _____      Country: _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Name: _____      City: _____ Middle Initial: _____      State: _____      ZIP: _____ Last Name: _____      Country: _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**NARRATIVE HISTORY OF FLIGHT (Please type or print in ink)**

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State time and point of departure, intended destination, and services obtained.

On August 5, 2013, at 0848 central daylight time, N327FL, an Embraer S.A. EMB-505, multi-engine turbofan airplane, was substantially damaged during landing at Flying Cloud Airport (FCM), Eden Prairie, Minnesota. The two pilots were not injured. Day visual meteorological conditions (VMC) prevailed at the time of the accident and an instrument flight rules flight plan had been filed for the 14 Code of Federal Regulations Part 91 positioning flight. The airplane had departed Pittsburgh International Airport (PIT), Pittsburgh, Pennsylvania, about 0730 eastern daylight time and was destined for FCM.

The pilots reported that the airplane was on a steep visual approach when they landed long and fast. The pilot flying also reported that after touchdown he could feel the pulsing of the anti-skid brakes but was unable to stop on the runway surface. The airplane departed the end of the runway and impacted the airport boundary fence coming to rest on a four-lane highway about 1,000 feet from the runway.

**RECOMMENDATION (How could this accident/incident have been prevented?)****Operator/Owner Safety Recommendation**

The crew adhering to Flight Option's Flight Operation Manual Section 4.33.8 regarding Stabilized Approach Criteria could have prevented this accident. This section reads as follows:

All flights must be stabilized at 500' above MDA/DH when IMC or 500' above airport elevation when in VMC conditions. A go-around must be initiated if the aircraft does not meet the stabilized approach criteria.

Small, momentary deviations in airspeed, sink rate, glidepath and course that require minor corrections do not require an immediate go-around. PMs should make necessary callouts for minor deviations to assist the PF in making immediate corrections to maintain stabilized approach criteria.

An approach is stabilized when it meets the following criteria:

1. All briefings have been conducted.
2. Aircraft is fully configured per aircraft profile for landing (except for full flaps during circling or one-engine inoperative).
3. IAS airspeed is no more than VREF + 20 KTS and no less than V.
4. IVSI is no more than 1000' per minute.
5. Within one dot CDI deflection both lateral and vertical (when applicable).
6. No flight instrument flags unless the landing runway or visual references are in sight.\*
7. Unique approach procedures or abnormal conditions requiring a deviation from the above

REF elements of a stabilized approach require that the crew conduct a special briefing prior to the approach.

\* Does not apply to maintenance deferred instruments.

An approach that becomes unstabilized requires an immediate go-around.

To prevent ATC speed clearances that may compromise a stabilized approach, do not accept speed assignments in excess of 170KTS closer than five miles from the runway approach end.

**Go Around/Missed Approach Policy**

When the safe outcome of an approach is in doubt it is the responsibility of both crewmembers to initiate a go-around/missed approach immediately. Any pilot shall call for a go-around/missed approach if there are indications that a safe landing cannot be completed.

**ADDITIONAL INFORMATION** (Please type or print in ink)

Use this space if additional space is needed for any answers.

**I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**

<b>Date of this Report</b> 08/08/2013 <i>mm/dd/yyyy</i>	<b>Signature and Name of Pilot/Operator</b> Signature: _____ Type or Print Name: _____
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<b>Signature and Name of Person Filing Report if Other than Pilot/Operator</b> Signature: _____ Type or Print Name: <u>Bryan Gross</u> Title: <u>Director of Safety</u>
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**FOR NTSB USE ONLY**

<b>NTSB Accident/Incident No.</b> CEN13LA462	<b>Reviewed by NTSB Regional Office</b> NTSB Central Region	<b>Name of Investigator</b> Thomas J. Latson, Jr.	<b>Date Report Received</b> 8/8/2013
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