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

Email the pilot/operator aircraft accident/incident report to the investigator-in-charge of your accident/incident. If email is not available, mail the report per the instructions below.

If your accident/incident occurred in Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Maryland, Delaware, Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Mississippi, Alabama, Georgia, Florida, the District of Columbia, Puerto Rico, or the US Virgin Islands, send the form to: NTSB, ERA, 45065 Riverside Parkway, Ashburn, VA 20147.

If your accident/incident occurred in Ohio, Michigan, Indiana, Wisconsin, Illinois, Minnesota, Iowa, Missouri, Arkansas, Louisiana, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, Colorado, or New Mexico, send the form to: NTSB, CEN, 4760 Oakland Street, Suite 500, Denver, CO 80239.

If your accident/incident occurred in Montana, Wyoming, Idaho, Utah, Arizona, Nevada, Washington, Oregon, California, Hawaii, or the territories of Guam or American Samoa, send the form to: NTSB, WPR, 505 South 336th Street, Suite 540, Federal Way, WA 98003.

If your accident/incident occurred in Alaska, send the form to: NTSB, ANC, 222 West 7th Avenue, Room 216, Box 11, Anchorage, AK 99513.

Rules pertaining to notification of aircraft accidents and incidents, as well as overdue aircraft are found in 49 *Code of Federal Regulations* (CFR) Part 830 http://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&tpl=/ecfrbrowse/ Title49/49cfr830\_main\_02.tpl. These rules state the authority of the NTSB, define accidents, incidents, injuries, and other terms, and provide procedures for initial and immediate notification of accidents and incidents by aircraft pilots/operators.

#### A. APPLICABILITY

The pilot/operator of an aircraft shall send a report to the office listed above, based on accident/incident location; immediate notification is required by 49 CFR 830.5(a). The report shall be filed within 10 days after an accident for which notification is required by Section 830.5, or after 7 days if an overdue aircraft is still missing.

An aircraft accident, as defined in 49 CFR 830.2, is determined as an occurrence that involves a fatality or serious injury, or substantial damage to the aircraft. 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, NTSB, 490 L'Enfant Plaza, S.W., Washington, D.C. 20594.

The NTSB uses this form for aircraft accident prevention activities and for statistical purposes. NTSB regulations (49 CFR Part 830) require that **ALL** questions be answered completely and accurately. Completion of this form will take approximately 60 minutes. The NTSB does not guarantee the privacy of any information provided in this form. You need not complete this form unless it displays a valid OMB control number, in accordance with 5 C.F.R. § 1320.5(b), which applies to this collection of information.

#### **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 CFR 830.2.

2. "Substantial Damage" means damage or failure that adversely affects the structural strength, performance or flight characteristics of the aircraft, and that 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.

## 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 of paper.

Nearest City/Place: Use the name of the nearest community 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 the producer of the kit or plans, unless an NTSB employee instructs otherwise.

Maximum Gross Weight: Enter the certificated maximum 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.

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

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

*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 14 CFR Part 91 at the time of the accident.

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

*Public Aircraft:* 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. Indicate whether the flight was conducted by the armed forces, federal, state, or local government.

*Purpose of Flight: 14 CFR Parts 91, 103, 133, 136, and 137*: Indicate the type of operation that was being conducted at the time of the occurrence using the following definitions:

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--These flights include 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.

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.

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

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.

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.

OTHER WORK USE--Miscellaneous flight operations conducted for compensation or hire such as construction work (not 14 CFR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.

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.

POSITIONING--Non-revenue flight conducted for the primary purpose of relocating the aircraft. Examples include moving the aircraft to a maintenance facility or to load passengers or cargo etc.

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, landing, takeoff, departure, or within 3 statute miles of an airport. Please refer to the FAA Airport/Facility Directory or other official source for airport information.

Airport Identifier: Provide the official 3 or 4 character airport identifier number.

*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.

Sky/Lowest Cloud Condition: Indicate the height above ground level of the lowest cloud condition present at the time of the accident/incident 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/incident (reported as broken or overcast).

NOTAMS (*D* and FDC), AIRMETs, SIGMETs, PIREPs: Describe all NOTAMS (distant (D) or Flight Data Center (FDC), if known), AIRMETs, SIGMETs, and PIREPs in effect near the accident/incident.

Flight Crewmember Information: Indicate the category that best describes the capacity served by this flight crewmember at the time of the accident. The designators "Flight Crewmember 1" and "Flight Crewmember 2" 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 Crewmembers: Complete this section if there were more than two required flight crewmembers 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: Enter identification and injury severity information for all passengers, cabin crew, and other personnel involved in the accident. See Page 1 of the instructions for the official definition of injury levels.

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 NTSB Form 6120.1 *Pilot/Operator Aircraft Accident/Incident Report.* For additional definitions of questions and responses, please refer to www.ntsb.gov.

NTSB Form 6120.1 (rev. 9/2013). This form replaces 6120.1/2.

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	(Enter in decima	al degrees or a	legrees:minutes:se	conds)			Co	ollision with	Other Air	eraft: C	) Midair	OOn-grou	nd 🔘 None
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Registi	ation Number:	N971SK						IFR-Equip					
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Model:	S-97							laximum Gr		+ 11 40	0	lbs	
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OWNER/OPERATOR INFORMA	TION	
Registered Aircraft Owner		City: West Palm Beach
Name: Sikorsky Aircraft Company		
Fractional Ownership Aircraft: O Yes O	No	Country: USA
<b>Operator of Aircraft</b> Same As Reg	zistered Owner	☑ Same Address as Registered Owner
Name:		City:
Doing Business As:		State: ZIP:
Air Carrier/Operator Designator (4 Characte	er Code):	Country:
<b>Operating Certificates Held</b> (Check all that apply)	Regulation Flight Conducted Une	der Revenue Operation for FAR 121, 125, 129, 135 (Select one for each group)
<ul> <li>None</li> <li>Flag Carrier Operating Certificate (FAR 121)</li> <li>Supplemental</li> <li>Air Cargo</li> <li>Foreign Air Carriers (FAR 129)</li> <li>Rotorcraft External Load (FAR 133)</li> <li>Commuter Air Carrier (FAR 135)</li> <li>Commuter Air Carrier (FAR 135)</li> </ul>	OFAR 121 OFAR 135 OFAR 4 OFAR 125 OFAR 137 OFAR 4 OFAR 91 Special Flight ONon-US, Commercial	431 O Non-Scheduled or Air Taxi O International 435
<ul> <li>On-Demand Air Taxi (FAR 135)</li> <li>Commercial Air Tour (FAR 136)</li> <li>Agricultural Aircraft (FAR 137)</li> <li>Pilot School (FAR 141)</li> <li>Certificate of Authorization or Waiver (COA)</li> <li>Commercial Space Transportation Experimental Permit</li> <li>Commercial Space Transportation License</li> <li>Other Operator of Large Aircraft</li> </ul>	O Non-US, Non-commercial O Public Aircraft <i>(Select one)</i> O Armed Forces O Federal O State O Local O Unknown	Purpose of Flight for FAR 91, 103, 133, 137         (Select one)         O Aerial Application       OFirefighting         O Aerial Observation       OFlight Test         O Air Drop       OGlider Tow         O Air Race/Show       OInstructional         O Banner Tow       OOther Work Use         O Business       OPersonal         O Executive/Corporate       OPositioning
Revenue Sightseeing Flight	Air Medical Flight	O External Load OSkydiving O Ferry
OYes ONo	OYes ⊙No	
AIRPORT INFORMATION (Fill in	if accident/incident occurred on app	proach, landing, takeoff, departure, or within 3 miles of an airport)
		Distance From Airport Center:       0       sm         Direction From Airport:       090       degrees true         Airport Elevation:       22       ft. msl
		Condition of Dumunu/I andian Sunface (Clusterited and 1)
Runway Information         Runway ID:       09/27 (L/R/C) Length: 7,         Runway/Landing Surface       (Check all that all the construction of	adam 🔲 Water al/Wood	Condition of Runway/Landing Surface       (Check all that apply)         Dry       Snow-Compacted       Water-Calm         Holes       Snow-Crusted       Water-Choppy         Ice Covered       Snow-Dry       Water-Glassy         Rough       Snow-Wet       Wet         Slubber Deposits       Soft       Unknown
Approach/Departure Segment (Select one	)	
<ul> <li>● Taxi</li> <li>● Taxi</li> <li>● VFR Departure</li> <li>● OVFR Depart</li></ul>	OOn Instrument Ap	oproach ODownwind OLow Approach OBase OGo Around OFinal OAborted Landing (after touchdown) OCrosswind OUnknown
IFR Approach (Check all that apply)		VFR Approach (Check all that apply)
ADF/NDB       PAR         SDF       Sidestep         VOR/TVOR       ILS         VOR/DME       Localizer Only         TACAN       LOC-back course         RNAV	MLS   Practice     LDA   GPS     ASR   Visual     Contact   Circling	Traffic Pattern       Stop and Go         Straight-In       Touch and Go         Valley/Terrain Following       Simulated Forced Landing         Go Around       Forced Landing         Full Stop       Precautionary Landing

<b>"FLIGHT CREWMEN</b>	MBER 1" INF	ORMATI	ON		and the set						
"Flight Crewmember 1" Re							0.01			1270	
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"Flight Crewmember 1" Id	entification										
First Name: William				<del>1951 - 1</del> 9	City of Re	esidence: <u>S</u>	tuart				
Middle Initial: <u>C</u>					State: <u>FL</u>		:	ZIP: <u>3499</u> 7	7		
Last Name: Fell					Country:	USA					
Age at time o	f Accident/Incide	ent: <u>52</u>	_ Date of E	Birth:		m	m/dd/yyyy				
		С	ertificate Nun	iber:		11.525					
Degree of Injury	Seat Occup	pied		Re	straint T	ype			Inflatable <b>F</b>	Restraints	
O None O Fatal	O Left	O Front	O Unknov	wn	Availabl	e	Used				
Minor O Unknown     Serious	Right     Center	O Rear O Single			O None		ONone		☑ Not Ins		
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Principal Occupation	Medical Certifi	cate	21	Me	dical Ce	rtificate Va	lidity	5	Date of Las	t Medical	
• Pilot		Class 3				nitations/wai	•	nknown			
O Other	O Class 1	ODriver's Lice	ense (Sport Pilot			tions/waiver		/A	08/10/20		
O Unknown	- Charles	OUnknown		10	Special Iss	uance		- 1 C	mm/dd/yy		
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Medical Certificate Special	Issuance	- 10-									
Date of Last Flight Review		Fligh	t Review Airo	raft							
or Equivalent, Including											
FAR 121/135 Checks: _	03/29/2017		Make: Sikorsky Model: SK-76B								
	mm/dd/yyyy				->	<b>T</b>	<b>D</b> (1) (1)				
Airplane Rating(s) (Check all that apply)	Other Aircra (Check all that			ent Rating(s							
□ None	□ None	-FF-JJ	□ None	( indi uppiy)	□ None			Г	Instrument Airplane		
Single-Engine Land	Airship		🗹 Airpla			🗖 Airplan	e Single-Eng	ine 🗖	Instrument Helicopter		
☐ Single-Engine Sea ☑ Multiengine Land	☐ Balloon ☐ Glider		Helico	•				Helicopter Glider			
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number of hours in each box)	Aircraft	& Model	Engine	Multiengine	Night	Actual	Simulated	Rotorcraft	Glider	Than Air	
Total Time	6,679	19									
Pilot in Command (PIC)		19									
Time as Instructor This Make/Model	Contract States			Carlos and	8					14 "	
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Last 30 Days	14	1		-	1						
Last 24 Hours	14	0			1						
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"FLIGHT CREWMEMBER 2" INFORMATION         "Flight Crewmember 2" Responsibilities at the Time of Accident/Incident         OPilot       OCo-Pilot         OStudent Pilot       OFlight Instructor         OCheck Pilot       OFlight Crewmember 2" was pilot flying         Yes       No
"Flight Crewmember 2" was pilot flying  Yes  No
0
"Flight Crewmember 2" Identification
First Name: John City of Residence: Palm City
Middle Initial: F ZIP: 34990
Last Name: Groth Country: USA
Age at time of Accident/Incident: <u>52</u> Date of Birth: <i>mm/dd/yyyy</i>
Certificate Number:
Minor O Unknown O Right O Rear     O None O None I Not Installed
O Serious O Center O Single O Lap only O Lap only D Installed
Pilot Certificate(s) (Check all that apply)       O 3-point       O 3-point       Deployed         O 3-point       O 4-point       O 4-point       Deployed
□ None □ Flight Instructor □ Commercial □ US Military □ O Spoint □ Spoint □ Unknown
□ Private □ Recreational □ Airline Transport □ Foreign O Unknown O Unknown
Principal Occupation Medical Certificate Medical Certificate Validity Date of Last Medica
O None     O Class 3     O Driver's License (Sport Pilot only)     O Without limitations/waivers     O Unknown     O 8/01/2016     O 8/01/2016
O Other       O Class 1       O Driver's License (Sport Pilot only)       Image: With Imitations/waivers       O N/A       O Other Incomposition         O Unknown       Image: Class 2       O Unknown       O Unknown       O Special Issuance       Image: March and Annual Annu
Medical Certificate Limitations
Must wear corrective lenses for distant, have glasses for near vision.
Must wear conective lenses for distant, have glasses for hear vision.
Medical Certificate Special Issuance
Date of Last Flight Review Aircraft
or Equivalent, Including
FAR 121/135 Checks:         06/04/2017         Make: SikUSKy           mm/dd/yyyy         Model: S-92
Airplane Rating(s) Other Aircraft Rating(s) Instrument Rating(s) Instructor Rating(s)
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         (Check all that apply)       (Check all that apply)       (Check all that apply)         Single-Engine Land       Airship       Airplane
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Instrument Helicopter         Single-Engine Sea       Balloon       Helicopter       Airplane Multi-Engine       Helicopter
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         (Check all that apply)       (Check all that apply)       (Check all that apply)         Single-Engine Land       Airship       Airplane
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         (Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Airplane Single-Engine       Instrument Helicopter         Multiengine Land       Glider       Powered Lift       Gyroplane       Glider         Helicopter       Helicopter       Sport       Sport
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Airplane       Instrument Helicopter         Multiengine Sea       Glider       Powered Lift       Gyroplane       Glider       Glider         Powered Lift       Powered Lift       Sport       Sport
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Airplane         Multiengine Land       Glider       Helicopter       Gyroplane       Glider         Multiengine Sea       Gyroplane       Glider       Glider       Glider         Powered Lift       Sport       Student Endorsements (Include dates)
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Airplane Single-Engine       Instrument Helicopter         Multiengine Sea       Glider       Powered Lift       Gyroplane       Glider       Glider         Powered Lift       Powered Lift       Sport       Sport
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Airplane         Multiengine Land       Glider       Helicopter       Gyroplane       Glider         Multiengine Sea       Gyroplane       Glider       Glider       Glider         Powered Lift       Sport       Student Endorsements (Include dates)
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Airplane         Multiengine Land       Glider       Helicopter       Gyroplane       Glider         Multiengine Sea       Gyroplane       Glider       Glider       Glider         Powered Lift       Sport       Student Endorsements (Include dates)
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Airplane         Multiengine Land       Glider       Helicopter       Gyroplane       Glider         Multiengine Sea       Gyroplane       Glider       Glider       Glider         Powered Lift       Sport       Student Endorsements (Include dates)
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane         Multiengine Land       Glider       Powered Lift         Multiengine Sea       Gyroplane       Glider         Powered Lift       Powered Lift       Sport         Type Ratings       S-70, SK-61, SK-92       Airplane       Airplane
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Airplane         Multiengine Land       Glider       Powered Lift       Instrument Airplane         Multiengine Sea       Gyroplane       Glider       Glider         Powered Lift       Powered Lift       Sport
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Airplane         Multiengine Land       Glider       Powered Lift       Gyroplane       Helicopter         Multiengine Sea       Gyroplane       Helicopter       Glider       Glider         Powered Lift       Powered Lift       Sport       Student Endorsements (Include dates)         Flight Time (Enter appropriate       All       This Make       Single       Airplane       Lighter
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Airship       Airplane       Airplane         Multiengine Land       Glider       Helicopter       Airplane Multi-Engine       Instrument Airplane         Multiengine Sea       Gyroplane       Powered Lift       Powered Lift       Sport         Type Ratings       S-70, SK-61, SK-92       Student Endorsements (Include dates)         Flight Time (Enter appropriate number of hours in each box)       Ail       This Make       Single Airplane       Night       Instrument       Lighter Than Airplane
(Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Glider       Airplane       Airplane       Instrument Helicopter         Multiengine Land       Glider       Powered Lift       Glider       Glider       Glider         Multiengine Sea       Gyroplane       Helicopter       Oyroplane       Glider       Glider         Powered Lift       Powered Lift       Student Endorsements (Include dates)       Sport       Engine         Flight Time (Enter appropriate number of hours in each box)       Air       Air       Single       Airplane       Night       Actual       Sinulated       Rotorcraft       Glider       Lighter         Total Time       5.714       10       110       45       185       230       50       5,559       Lighter
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Sea       Balloon       Helicopter       Airplane       Instrument Helicopter         Multiengine Sea       Gyroplane       Powered Lift       Opwered Lift       Gider       Glider         Type Ratings       S-70, SK-61, SK-92       Student Endorsements (Include dates)       Student Endorsements (Include dates)         Flight Time (Enter appropriate number of hours in each box)       All       This Make       Airplane       Single Engine       None       Instrument         Total Time       5.714       10       110       45       185       230       50       5.559       Filot in Command (PIC)       0
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         None       None       None       Instrument Airplane         Single-Engine Land       Glider       Airplane       Airplane       Instrument Airplane         Multiengine Land       Glider       Powered Lift       None       Instrument Airplane         Multiengine Sea       Gyroplane       Powered Lift       Glider       Glider         Powered Lift       Powered Lift       Sport       Sport         Type Ratings       S-70, SK-61. SK-92       Student Endorsements (Include dates)         Flight Time (Enter appropriate number of hours in each box)       Air       Air       Airplane       Single       Airplane         Total Time       5.714       10       110       45       185       230       50       5.559         Pilot in Command (PIC)       0       Intervanded       Intervanded       Intervanded       Intervanded       Intervanded         Time as Instructor       Intervanded       Into unded       Into unded       Intervanded       Intervanded       Intervanded         Intervanded       Intervanded       Intervanded       Intervanded       Intervanded       Intervanded       Intervanded       Intervan
(Check all that apply)       (Check all that apply)       (Check all that apply)       (Check all that apply)         Single-Engine Land       Airship       Airplane         Single-Engine Land       Glider       Airplane         Multiengine Land       Glider       Helicopter         Multiengine Sea       Gyroplane       Helicopter         Powered Lift       Powered Lift       Glider         Type Ratings       Student Endorsements (Include dates)         S-70, SK-61. SK-92       Airplane         Flight Time (Enter appropriate number of hours in each box)       Aireraft         Total Time       5.714         Total Time       5.714         Pilot in Command (PIC)       0         Time as Instructor       0         This Make/Model       0

ADDITIONAL FL	IGHT CREWMEN	ABERS (	Exclusive of c	abin c	rew, complete	e the followin	g information)		
Crew Name and Ad	ldress						Seat Occupi	ed	Injury
Middle Initial:		State	of Residence:	_	ZIP:		O Left O Center O Right	O Front O Rear O Single O Unknown	O None O Minor O Serious O Fatal O Unknown
Pilot Certificate(s) <ul> <li>None</li> <li>Private</li> <li>Student</li> </ul> Type Rating/Endors Accident/Incident A	Flight Instructor Recreational Sport seement for	Airli D Fligh	imercial ine Transport ht Engineer Total Flight of this Accide	□ Fo Time a	t the Time	hrs	Restraint Ty Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Used O None O Lap Only O 3-point O 4-point O 5-point	Inflatable Restraints Not Installed Installed Not Deployed Deployed Unknown
Crew Name and Ad	dress						Seat Occupi	ed	Injury
Middle Initial: State:					ZIP:		OLeft OCenter ORight	O Front O Rear O Single O Unknown	O None O Minor O Serious O Fatal O Unknown
Pilot Certificate(s)	Flight Instructor  Recreational  Sport  rsement for  Aircraft?  Yes	Airlin Fligh	ne Transport nt Engineer Total Flight of this Accide	For Time a ent/Inci	t the Time ident:		Restraint Ty Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Used O None O Lap Only O 3-point O 4-point O 5-point	Inflatable Restraints Not Installed Installed Not Deployed Deployed Unknown
PASSENGER(S)	/ OTHER PERSO	NNEL (II	nclude cabin o	crew; c	ontinue on s	eparate shee	t if necessary)	Inflatable	
Name and Address			Sea	ıt	Injury	Restraint T	уре	Restraints	Age
Middle Initial:	City : State: Country: OPassenger	ZIP:	- OLe OCe ORi OUn	enter	ONone OMinor OSerious OFatal OUnknown	Available ONone OLap Only O3-point O4-point O5-point OUnknown	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	□ Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown
Middle Initial:	City : State: Country: OPassenger	ZIP:	- OLe OCe ORig OUn	enter	ONone OMinor OSerious OFatal OUnknown	Available ONone OLap Only O3-point O4-point O5-point OUnknown	Used None Lap Only 3-point 4-point 5-point Unknown	□ Not Installed □ Installed □ Not Deployed □ Deployed □ Unknown	Under 5 years
Middle Initial:	City : State: Country: OPassenger	ZIP:	OCe ORig OUn	enter ght hknown	ONone OMinor OSerious OFatal OUnknown	Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	Under 5 years
Middle Initial:	City : State: Country: OPassenger	ZIP:		nter	O None O Minor O Serious O Fatal O Unknown	Available ONone OLap Only O3-point O4-point O5-point OUnknown	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown	<ul> <li>Not Installed</li> <li>Installed</li> <li>Not Deployed</li> <li>Deployed</li> <li>Unknown</li> </ul>	Under 5 years

FLIGHT ITINERAR	Y INFOR			la busisher ik di			T	A Diam Filed	
Last Departure Point			of Departure	Destinatio				t Plan Filed	ED
Airport ID: 06FA		-	07·20 am	Airport ID:	06FA		<ul> <li>None</li> <li>Company</li> </ul>	VFR O IFR	IFK
City: Jupiter		Time	07:20 am	City: Jupit	er		O Military		own
State: FL	State 1997	Time	Zone: EDT	State: FL			O VFR		
Country: USA	-8			Country: U			Activated?	OYes ONo C	)Unknow
Type of ATC Clearance/	Samiaa (0)	- L	nnhul						
••	Service (Che		ppiy)	ial IFR		☑ VFR Flight Foll	owing	Cruise	
□ None ☑ VFR				On Top		Traffic Advisory	/	Unknown / NA	. <u> </u>
Airspace where the accid		occurred	(Check all that a	pply)				Altitude of In-	Flight
Class A	Class G		🗖 Milit	ary Operations	Area (MOA)	Special		Occurrence:	
Class B	Demo Are			ort Advisory An raining Area	rea	Air Traffic Cont	IOI Alea	10	ft msl
Class C	Warning								
Class D Class E	Restricted								
WEATHER INFOR	MATION		ACCIDENT	/INCIDEN	T SITE		國印度國際		
Source of Pilot Weather					Weather Ol	bservation Facility	1		
(Check all that apply)					Facility ID:				
National Weather Service	•	Com				Time:			
Flight Service Station		🗖 Milit							
TV/Radio					2.5	Accident Site:			
Commercial Weather Ser	vice (DUATS)								
On-Board Weather		2401			Direction from	n Accident Site:			
<b>Basic Conditions</b>			Light Conditi		<b>AP</b>		nknown		
● VMC			ODawn	ODusk		rk Night OU ght Night	IIKIIOWII		
O IMC O Unknown			⊙Day	ONight	<b>U</b> BII				
	lition		Ceiling			Temnerature	:	(C) or	_(F)
Sky/Lowest Cloud Cone O Clear	O Thin Br	oken	O None (Clear)	0	Obscured	-			
• Few	O Thin O		O Broken		Indefinite	Dew Point:	(	C) or	(F)
O Partial Obscuration	OUnknow		O Overcast	۲	Unknown	Altimeter Set	ting:	in. Hg	
O Scattered							or		
Lowest Cloud Condition	_		Ceiling Heigh	t	ft agl				
	ft agl				ft agl				
Wind Direction	Wind	Speed	<u> </u>	Wind Gust	s	Visibility		miles	
□ Variable	⊡ Ca	im		□ Not Gust	ing	RV	R:	feet	
		tht and Varia	able				V:		
-o <b>r-</b>		-o <b>r</b> -	late	-or-	kts				
Direction:degrees				Speed:	KIS	Density Altit			,)
Intensity of Precipitation		-	ation (Check all					<i>Check all that apply</i> Fog	"
OLight	Nor Nor		Drizzle	□ Freezi □ Snow		☑ None ☑ Blowing I		Ground Fog	
O Moderate	□ Rai □ Sno		□ Ice Pellets □ Snow Pelle		Snower llets Shower	Blowing S	Sand 🗖	Haze	
O Heavy O N/A			Snow Felle		ing Drizzle	Blowing S		Ice Fog	
OUnknown		n Showers				Blowing S		Smoke Unknown	
			T				L		
Icing Forecast			Icing Actual	<b>T</b> .		Turbulence	all that apply)	Severity	
Amount Type O None O N			Amount O None	Type ON/A	N N	None	an mai appiy)	Light	
<ul> <li>None</li> <li>O Trace</li> <li>O R</li> </ul>			O Trace	Ö Rin		Clear Air			e
O Light OC			O Light	OCle		Terrain-In		☐Severe ☐Extreme	
O Moderate O M			O Moderate	O Mi» O Unl		LConvectiv	e Turbulence		
O Severe O U O Unknown	nknown		O Severe O Unknown	<b>O</b> Uni	KIIUWII				
1							·		
NOTAMs (D and FD	C), AIRMI	E <b>Ts, SIG</b> I	METs, PIREP	's in effect a	t the time of	f the accident/ind	cident:		
		<u> </u>							

## DAMAGE TO AIRCRAFT AND OTHER PROPERTY

Aircraft Damage

O None O Minor Aircraft Fire O None O In-Flight O On-Ground

O Both Ground and In-Flight O Fire at Unknown Time

**O** Unknown

### **Aircraft Explosion**

None
 In-Flight
 On-Ground

O Both Ground and In-Flight O Explosion at Unknown Time O Unknown

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

Aircraft sustained major damage.

Substantial

O Destroyed

O Unknown

### 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 departure time and and location, services obtained, and intended destination. Provide as much detail as possible.

On August 2, 2017, about 7:30 eastern daylight time, an experimental Sikorsky S-97 helicopter, N971SK, experienced a hard landing from a hover at William P. Gwynn Airport (06FA) near Jupiter, Florida. The two pilots onboard were not injured and the helicopter sustained major damage. The flight originated from Jupiter, Florida, as an experimental flight test and was conducted under provisions of 14 Code of Federal Regulations Part 91. Visual meteorological conditions prevailed at the time of the accident.

TO A TION IN	مرباط فالبام	aident/incident ha		nted?)			and a part of the	Notette Manade	
RECOMMENDATION (How o		ccidenvincident hav	a nealt blead	neu r j					
Operator/Owner Safety Recommer	dation								
Under investigation.					1.22				
MECHANICAL MALFUN	CTION/F	AILURE (If mor	e space is nee	eded, col	ntinue on separ	ate sheet)			
Was there Mechanical Malfunct (If yes, list the name of the part, manuf	ion/Failure	? 🗆 Yes 🗆 No	cribe the failure	,)			Total Tim On Part	e/Cycles	
(If yes, list the name of the part, manuf	acturer, part	no., seriai no., ana aes	cribe me junare				Hours		
								Cycles	
							Time Sime	- This Part	
								e This Part /Overhauled	
								Hours	
FUEL & SERVICES INFO	ORMATI	ON	agt in 183						
Fuel on Board at Last Takeoff		Fuel Type	0.11/11/1		O Let D	O Other, specify			
(Convert from pounds, as necessary) 164	Gallons	O 80/87 O 100 Low Lead O 100/130	<ul> <li>115/145</li> <li>Jet A</li> <li>Jet A-1</li> </ul>		O Jet B O JP8 O Automotive				
Other Services, if Any, Prior to					and the second				
Was an emergency evacuation of	of the aircr	aft performed?	☑ Yes	🗆 No					
Method of Exit – Describe how			any occupants	evacuate	d each location				
Both pilot's egressed on their									
OTHER AIRCRAFT - CO	OLLISIO	N (If air or ground	collision occu	urred, co	mplete this sec	tion for other airc	raft)	Tours .	
Aircraft Registration Number		urer:				D	amage to Oth		
	Model:						Destroyed Substantial	☐ Minor ☐ None	
Registered Owner of Other Air					Other Aircraft				
Name:									
City:						ZIP:			
Country:									

Use this space if additi			rint in ink)			
	ional space is	needed for any answ	vers.			
I HEREBY CERTIF	Y THAT TH	: ABOVE INFORI	MATION IS COM	PLETE AND ACCUR	ATE TO THE BEST	OF MY KNOWLEDGE
I HEREBY CERTIF Date of this Report 08/14/2017 mm/dd/yyyy	Name of P	ilot/Operator:				
Date of this Report 08/14/2017 mm/dd/yyyy If a Person Other th Name: Javier Signature:	Name of P Signature: or an Pilot/Ope R. Casanova	Check here to e	electronically sign t			
Date of this Report 	Name of P Signature: or an Pilot/Ope R. Casanova	Check here to e	electronically sign the sinteres sinteres sinteres sinteres sinteres sintes	his document		