



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Ridgely, MD	<b>Accident Number:</b>	ERA11CA178
<b>Date &amp; Time:</b>	03/02/2011, 1000 EST	<b>Registration:</b>	N435SA
<b>Aircraft:</b>	INIZIATIVE INDUSTRIALI ITALIAN SKY ARROW 600 SPORT	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The pilot landed with a left crosswind and the airplane started veering to the right. The pilot removed the crosswind correction while applying the brakes with the brake handle which was located on the control stick. The airplane continued off the right side of the runway. The nose landing gear dug into the grass and the airplane nosed over inverted into a ditch. Both wings and the tail section sustained structural damage. The pilot reported no preimpact mechanical problems with the airplane.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to compensate for crosswind conditions and loss of directional control during landing, resulting in a runway excursion and nose over.

## Findings

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<b>Aircraft</b>	Directional control - Not attained/maintained (Cause)
<b>Personnel issues</b>	Aircraft control - Pilot (Cause)
<b>Environmental issues</b>	Crosswind - Response/compensation

## Factual Information

### History of Flight

Landing-landing roll	Loss of control on ground (Defining event) Runway excursion Nose over/nose down
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### Pilot Information

Certificate:	Private; Sport Pilot	Age:	75, Male
Airplane Rating(s):	None	Seat Occupied:	Front
Other Aircraft Rating(s):	Glider	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	None	Last Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	10/10/2010
Flight Time:	231 hours (Total, all aircraft), 100 hours (Total, this make and model), 196 hours (Pilot In Command, all aircraft), 2 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Manufacturer:	INIZIATIVE INDUSTRIALI ITALIAN	Registration:	N435SA
Model/Series:	SKY ARROW 600 SPORT	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Experimental Light Sport	Serial Number:	LSA005
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	07/30/2010, Conditional	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:	82 Hours	Engines:	1 Reciprocating
Airframe Total Time:	616 Hours	Engine Manufacturer:	ROTAX
ELT:	C91 installed, activated, did not aid in locating accident	Engine Model/Series:	912ULS
Registered Owner:	CSP LEASING LLC	Rated Power:	100 hp
Operator:	Lewis F. Gayner	Air Carrier Operating Certificate:	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	ESN, 72 ft msl	Observation Time:	0950 EST
Distance from Accident Site:	13 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	224°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Scattered / 2500 ft agl	Temperature/Dew Point:	7°C / 3°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	10 knots/ 15 knots, 230°	Visibility (RVR):	
Altimeter Setting:	30.24 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Ridgely, MD (RJD)	Type of Flight Plan Filed:	None
Destination:	Ridgely, MD (RJD)	Type of Clearance:	None
Departure Time:	0958 EST	Type of Airspace:	Class G

## Airport Information

Airport:	Ridgely Airpark (RJD)	Runway Surface Type:	Asphalt
Airport Elevation:	64 ft	Runway Surface Condition:	Dry
Runway Used:	30	IFR Approach:	None
Runway Length/Width:	3214 ft / 50 ft	VFR Approach/Landing:	Traffic Pattern

## 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
Total Injuries:	1 None		

## Administrative Information

Investigator In Charge (IIC):	Carrol A Smith	Adopted Date:	06/08/2011
Additional Participating Persons:	David B Garey; FAA Baltimore FSDO; Baltimore, MD		
Publish Date:	06/08/2011		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=78494">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=78494</a>		

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