

RA-6095215 Submitted

Submitted On:

2025-08-31 20:47:52 UTC

Type:

Paradigm Flight Risk
Analysis Tool

Submitted By:

Kent Swanson

Last saved:

2025-09-
01T03:53:08Z

0-30

31-60

61-80

81-100

101 +

* Flight Details

Section Comments 0

* Date:

2025-08-31

* PIC:

Kent Swanson

* Aircraft:

N36RP - Sikorsky S-76D

Location:

Paradigm Helicopter (L)

* Location (origin):

Airport: KDAL/DAL/DAL (Dallas, Texas)

Weather:

Retrieved: 2025-08-31T20:40:48Z

TAF:

TAF AMD KDAL 312013Z 3120/0118 12006KT P6SM

VCSH SCT035 BKN120

FM312300 10005KT P6SM FEW120 BKN250

FM011200 02006KT P6SM VCSH BKN040

TEMPO 0112/0115 BKN015

FM011700 04005KT P6SM SCT030

METAR:

METAR KDAL 311953Z 12004KT 10SM FEW031 BKN046

BKN120 BKN250 30/22

A3000 RMK AO2 SLP150 TCU DSNT E T03000217 \$

Destination:

Airport: TA22 (Dripping Springs, Texas)

Weather:

Retrieved: 2025-08-31T20:40:56Z

TAF:

Not Found

METAR:

Not Found

Trip / Mission ID:

69464-1

Additional Crew:

Chris Buehrer

Were mitigations used prior to departure?

☐ Yes☒ No

Remarks:

* Risk Assessment

45 points Max Risk: 3

Section Comments 0

Mission / Operation

15 points Max Risk: 3

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* Mission Guidance

In-Depth	☒	1	1	
Adequate	☐	2		
Minimal	☐	3		
None	☐	4		

* Weather Outlook

VFR	☐	1		
MVFR	☐	4		
IFR	☒	6	3	

* Urgency / Pressure

Low	☐	1		
Medium	☒	3	3	
High	☐	5		

NOTAMs

Enroute Issues	☐	2		
Navaid Issues	☐	3		
Airport Construction	☒	3	1	
Runway Issues	☐	3		

TFRs

Along Planned Route	☐	1		
Within 20 NM of Dept/Dest	☒	2	2	

Personnel Experience /
Equipment

0 points Max Risk: 1

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* Pilot-in-Command

Helicopters	3,500+ Hours	☒	1	1	
	2,000 - 3,499 Hours	☐	2		
	Less than 2,000 Hours	☐	4		

* Aircraft Familiarity

> 100 Hours	☒	1	1	
75 - 100 Hours	☐	2		
< 75 Hours	☐	4		

* Local Area Knowledge

Low	☐	4		
Medium	☐	2		
High	☒	1	1	

Inadvertant IMC Capable

Aircraft	☒	-1	1	
Pilot	☒	-2	1	

Human Factors

9 points Max Risk: 2

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* Pilot Rest

Previous 24 Hours

8-24 Hours	☒	2	2	
< 8 Hours	☐	10		

* Total Sleep

Last 48 Hours

16+ Hours	☒	1	1	
10-15 Hours	☐	6		
< 10 Hours	☐	15		

* Fatigue Assessment

Overall

Low	☒	1	1	
Medium	☐	7		
High	☐	15		

* Estimated Flight Time

1-2 Hours	☒	1	1	
3-4 Hours	☐	2		
5-6 Hours	☐	3		
More than 6 Hours	☐	5		

* Duty Time

Dep 0600-2300 LCL

< 10 Hours	☒	1	1	
> 10 Hours	☐	10		

Dep 2300-0600 LCL

< 10 Hours	☐	7		
>10 Hours	☐	15		

*** Consecutive Hours Awake**

End of Duty Period

- < 16 Hours ☒
- 16-18 Hours ☐
- 18-19 Hours ☐
- More than 19 Hours ☐

1	1	
4		
7		
10		

*** Consecutive Flight Days**

- 1-3 Days ☒
- 4-6 Days ☐
- More than 6 Days ☐

1	1	
3		
9		

*** Pilot Workload / Multi-Tasking**

- Low ☒
- Medium ☐
- High ☐

1	1	
2		
4		

Aircraft Status

0 points Max Risk:

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Open Maintenance Items

Any ☐ 6

Scheduled Inspection (Except Daily / Pre-Flight)

Since Last Flight ☐ 2

Unscheduled Maint Event

Since Last Flight ☐ 3

Aircraft Markings

High Visibility ☐ -3

Blade Folding

Aircraft Capable ☐ 2

Weather Conditions

14 points Max Risk: 2

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HEMS Flight Tool

Weather Brief Used ☐ -2

Forecast

Improving ☒ -1 1
Deteriorating ☐ 4

Wind

15-20 Knots ☒ 4 2
Greater than 20 Knots ☐ 8

Organized Convective Activity

20% - 50% Probability ☒ 4 1
Greater than 50% Probability ☐ 8

Windshear Probability

Within 2 Hours Yes ☐ 5

Precipitation

Type	Rain	☒	3	2	
	Snow	☐	8		
Intensity	Light	☒	3	1	
	Moderate	☐	7		
	Heavy	☐	10		

Inflight Icing

Any Reported ☐ 10

Density Altitude

< 6,000' MSL / +25 C ☒ 1 1
> 6,000' MSL / +25 C ☐ 3

Operating Environment

6 points Max Risk: 2

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Time

Day	☒	1	1	
Night	☐	2		

Terrain

Flat Lands	☒	1	1	
Mountainous	☐	3		
Overwater	☐	2		
City Area	☐	3		

Lighting

Ambient	Good	☒	-1	1	
Ambient	Poor	☐	2		
Ground Reference	Good	☐	-1		
Ground Reference	Poor	☐	2		

In-Flight Hazards

CFIT	Towers, Wires, Trees	☒	2	2	
	Congested Airspace	☒	2	2	
	Poor Visibility (Smoke/Fog, Sun, Shadows)	☐	3		
Surroundings	Confined Area	☐	2		

* Risk of Mid-Air

Low	☒	1	1	
Medium	☐	2		
High	☐	4		

Landing Zone(s)

1 point Max Risk: 1

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* Landing Zone(s)

Pre-Determined / Surveyed	☒	-2	1	
Not Pre-Determined	☐	2		

LZ Hazards

Fences / Poles	☒	1	1	
Wires / Antennas	☐	4		
Tall Grass / Weeds	☐	2		
Trees / Stumps / Large Rocks	☐	2		
Water Nearby	☐	1		

LZ Surface

Pavement / Helipad	☒	1	1	
Loose Gravel / Dust / Dirt	☐	3		
Mud / Wet Soil	☐	3		
Snow / Ice	☐	2		
Fresh Cut Grass	☐	2		

LZ Recon via Map assessment

Yes ☐ 1 1

LZ Recon via actual flight observation

Yes ☐ 1

Other Considerations

0 points Max Risk: 0

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Description

0 - N/A

Risk Reduction Actions (Use Negative Value)

0 - N/A

Debrief

Section Comments 0

Did conditions change?

- ☐ Yes
☐ No

Were any mitigations used during flight?

- ☐ Yes
☐ No

Were there any crew related issues?

- ☐ Yes
☐ No

Were there any mission related issues?

- ☐ Yes
☐ No

Identify any Human Factors related issue(s):

- | | |
|--|---|
| ☐ Distraction | ☐ Fatigue |
| ☐ Health | ☐ Lack of Clear Guidance |
| ☐ Lack of Resources | ☐ Proficiency |
| ☐ Stress | ☐ SOP Non-Compliance |
| | ☐ Other |

Occurrences

Section Comments 0

Report Type:

- | | | | |
|---|--|---|---|
| ☐ Customer / Passenger | ☐ Drone/UAS Encounter | ☐ Duty Day | ☐ Fatigue |
| ☐ Near Miss / Close Call | ☐ Flight Interruption | ☐ Hazard | ☐ Lesson Learned |
| ☐ Terrain | ☐ Occurrence | ☐ Operation Irregularity | ☐ Procedure |
| | ☐ Runway Inc/Exc | ☐ Safety Concern | ☐ Security |
| | ☐ Wildlife Strike | ☐ Other | ☐ TCAS/RA |

Report Category:

- | | | | |
|-------------------------------------|---|---|---|
| ☐ ATC | ☐ Aircraft Maintenance | ☐ Altitude Deviation | ☐ Company Policy |
| ☐ GPWS Alert | ☐ Human Factors | ☐ Flight Operations | ☐ Fuel/Servicing |
| ☐ Other | | ☐ Inadequate Procedure | ☐ Nav/Database Error |
| | | | ☐ SOP |

Phase of Flight:

- | | | | |
|-----------------------------------|---------------------------------------|-----------------------------------|----------------------------------|
| ☐ Approach | ☐ Climb | ☐ Descent | ☐ Enroute |
| ☐ Landing | ☐ Landing Zone | ☐ Take-off | ☐ Other |

Contributing Factors:

- | | | | |
|--|---|--|--|
| ☐ ATC | ☐ Customer / Passenger | ☐ Equipment Failure | ☐ Equipment Unavailable |
| ☐ Fatigue | ☐ Inadequate Procedure | ☐ Scheduling | ☐ Servicing |
| ☐ Weather / Environment | ☐ Other | ☐ Terrain | ☐ Time Pressure |

Corrective Action:**Remarks:**

Type in Form ID to link to existing submission or Click "New" to create a new form.

Review

Section Comments 0

Reviewed By:**Date Reviewed:****Additional Remarks:**

Attachments

File Name	Type	Size	Date Uploaded

Submission Comments