

Specialist's Report - Attachment 3
Aircraft Accident Package

AIR TRAFFIC CONTROL

DCA22MA009





Providing Controllers For The Next Generation

MEMORANDUM FOR RECORD

Date: November 12, 2021

To: Andy Atchley, Director, Central Service Center

From: Eddie Ratcliff, Manager, Houston Executive Non Federal Contract Tower

SUBJECT: INFORMATION: Certification Statement
Aircraft Accident, N987AK
Houston, TX, October 19, 2021

I certify that the aircraft accident package, 21-001-TME-NFCT, has been reviewed and is complete.

21-001-TME-NFCT
N987AK

COPY

Aircraft Accident Package

21-001-TME-NFCT

N987AK, MD87

October 19, 2021 1501 UTC

Destroy: October 19, 2026 2000 UTC

SECTION 1.
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21-001-TME-NFCT

N987AK

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21-001-TME-NFCT

N987AK

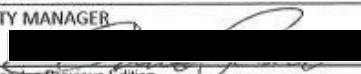
SECTION 2.

FAA Form 8020-6, Report of Aircraft Accident, and
FAA Form 8020-6-1, Report of Aircraft, Accident,
Continuation sheet


21-001-TME-NFCT

N987AK

FAA Form 8020-6, Report of Aircraft Accident

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			REPORT DATE November 19, 2021		REPORT NO. 21-001-TME-NFCT		
REPORT OF AIRCRAFT ACCIDENT			NAME OF REPORTING FACILITY Houston Executive NFCT (TME)				
1. AIRCRAFT IDENTIFICATION AND TYPE N987AK, MD87		2. DATE/TIME OF ACCIDENT (UTC) October 19, 2021; 1500 UTC		3. LOCATION OF ACCIDENT: CITY, STATE (MAND) Houston, TX			
4. NATURE OF ACCIDENT Aircraft went off the end of the runway				LATITUDE/LONGITUDE (OPTL) N29 48 18.1000 W095 53 52.4000			
				5. TYPE OF FLIGHT IFR Flight Plan			
6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN
	Unknown	Flight Attendant	Unknown, Unk	X			
	Unknown	Flight Attendant	Unknown, Unk	X			
	Unknown	Co-Pilot	Unknown, Unk	X			
	Unknown	Pilot	Unknown, Unk	X			
7. PASSENGER DATA		NUMBER ABOARD AIRCRAFT 15	NUMBER UNINJURED 13	NUMBER INJURED 2	NUMBER FATALITIES 0		
8. AIRCRAFT DAMAGE Destroyed			9. PROPERTY DAMAGE Unknown				
10. OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS Normal							
11. WEATHER DATA (USE UTC DATE/TIME)	REPORT JUST PRIOR TO ACCIDENT HOUSTON EXEC METAR - 1455 UTC: automated, wind zero eight zero at five, visibility six statute miles, haze, clear, temperature two five, dew point two two, altimeter three zero one one						
	FIRST REPORT SUBSEQUENT TO ACCIDENT HOUSTON EXEC SPECI - 1515 UTC: automated, wind variable at five, visibility six statute miles, haze, clear, temperature two five, dew point two three, altimeter three zero one two						
12. ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION	CHECK IF EYEWITNESS			
	Eddie Ratcliff *(ED)	TME NFCT	N-A LC	X			
*OPERATING INITIALS							
13. SIGNATURE OF FACILITY MANAGER 							
FAA Form 8020-6 (4-17) Supersedes Previous Edition							Electronic Version

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N987AK

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE November 19, 2021	REPORT NO. 21-001-TME-NFCT
	NAME OF REPORTING FACILITY Houston Executive NFCT (TME)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
October 19, 2021

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1419 N987AK called TME Airport Traffic Control Tower (ATCT) Local Controller (LC) for an Instrument Flight Rules (IFR) clearance.

1420 LC advised N987AK their clearance was on request.

1424 LC requested N987AK to verify destination and proposed time of departure. N987AK replied proposed departure time is 1500 and destination is Laurence G Hanscom Field (KBED).

1425 LC contacted Houston Terminal Radar Approach Control (I90) Satellite Clearance Delivery (SCD) position for an IFR clearance on N987AK. I90 SCD issued an IFR clearance to LC and LC acknowledged receiving the IFR clearance.

1426 LC delivered an IFR clearance to N987AK. N987AK acknowledged clearance.

1453 N987AK requested to taxi. LC issued taxi instructions to Runway (RWY) 36 via Charlie and Alpha taxiways. N987AK acknowledged.

1457 N987AK called LC ready for departure. LC advised N987AK to hold short of RWY 36. N987AK acknowledged. LC called I90 Lakeside Satellite (P) position for an IFR release off RWY 36 from TME. I90 P controller issued a release for N987AK. LC acknowledged the release.

1458 LC cleared N987AK for takeoff RWY 36.

1500 LC observed N987AK run off the end of the runway.

1501 LC coordinates with I90 P controller about the incident. I90 P controller acknowledged.

1503 I90 Operations Supervisor (OS) called LC and requested information about the incident. LC acknowledged I90 OS and said LC would call back.

1504 I90 Traffic Management Coordinator (TMC) contacted LC to request an update. LC informs I90 TMC that N987AK went off the end of the runway and will advise about the status of TMW airport. I90 TMC acknowledged.

1507 LC contacted I90 OS to advise that TME airport was closed.

FAA Form 8020-6-1
21-001-TME-NFCT
N987AK



**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

November 19, 2021

REPORT NO.

21-001-TME-NFCT

NAME OF REPORTING FACILITY

Houston Executive NFCT (TME)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

No More Follows

FAA Form 8020-6-1
21-001-TME-NFCT
N987AK

SECTION 3.

Review of Services Memorandum

21-001-TME-NFCT

N987AK




Providing Controllers For The Next Generation

MEMORANDUM FOR RECORD

Date: November 12, 2021

To: Aircraft Accident File

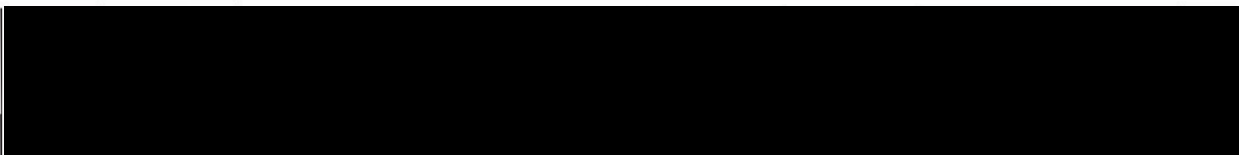


From: Eddie Ratcliff, Manager, Houston Executive Non Federal Contract Tower

SUBJECT: INFORMATION: Review of Services Memo
Aircraft Accident, N987AK
Houston, TX, October 19, 2021

I certify that Houston Executive Airport (TME) ATCT communicated to the FAA and TME provided pertinent services to N987AK. I also certify that the following originals/digital copies are on file in this office.

FAA Form 8020-6
FAA Form 8020-6-1
Original copies of Voice Recordings
Original working copies of Voice Recordings
Flight Progress Strip
FAA Form 7230-4
FAA Form 7230-10
Personnel Logs
Facility Layout Chart
UTC Chart
Weather Data




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SECTION 4.

FAA Form 7230-4, Daily Record of Facility Operation

21-001-TME-NFCT

N987AK

Daily Record of Facility Operation				Page No I
				Date 10/19/2021
Location Brookshire, TX	Identification TME	Type Facility ATCT	Operating Position OS/CIC	Chief EDDIE RATCLIFF 
Time (UTC)	REMARKS			
1100	E. RATCLIFF ON. RWY 36. TC COR. WCLC. CFPL: TWY A AT INTERSECTION OF TWY A AND TWY C SIGN BOX UNLIT.			
1500	GROUND EMERGENCY: N987AK, MD87, POB 21, FUEL UKN, AIRCRAFT APPEARED TO NOT ROTATE AND CARRIED THROUGH THE END OF THE RUNWAY INTO THE TREES. WIND 340@05. FBO AND CRASH RESPONSE CREWS NOTIFIED. RUNWAY OPS SUSPENDED, ACN.			
1505	WX OBSERVATION: 1505Z 340@06 VIS9 CLR 24/16 A3011.			
1520	CRASH RECOVERY VEHICLES ON SCENE.			
1530	A. CARR ON.			
1755	KTME OPEN. RUNWAY FOD FREE, RUNWAY OPS RESUMED, RWY 18 IN USE.			
1900	RECORDER CHECKS COMPLETE.			
2000	J. BEALL ON, ABV NTD, WCLC.			
0300	COB.			

I CERTIFY that entries above are correct: That all scheduled operations have been accomplished, except as noted, and that all abnormal occurrences and condition have been recorded.	Signature of Watch Supervisor John Beall Digitally signed by John Beall Date: 2021.10.19 21:42:12 -05'00'
	Signature of Facility Manager 

FAA Form 7230-4 (1-94) Supersedes Previous Edition

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N987AK

SECTION 5.
Personnel Log

21-001-TME-NFCT

N987AK

HOUSTON EXECUTIVE TOWER (TME)
SIGN IN / OUT RECORD

DATE: 10/17/21

SIGNATURE	INITIALS	IN	OUT	HOURS	REMARKS
[REDACTED]	SA	0855	1455	9	
[REDACTED]	LW	1300	2200	9	

BY SIGNING AND INITIALING ABOVE I CERTIFY MY TIME AND ATTENDANCE FOR THE DATES INDICATED ARE CORRECT
TMET Form 7230-4A (9/14)

DATE: 10/18/21

SIGNATURE	INITIALS	IN	OUT	HOURS	REMARKS
[REDACTED]	CR	0855	0955	4	
[REDACTED]	AT	0855	1455	6.	
[REDACTED]	LW	1300	2200	9	

BY SIGNING AND INITIALING ABOVE I CERTIFY MY TIME AND ATTENDANCE FOR THE DATES INDICATED ARE CORRECT
TMET Form 7230-4A (9/14)

DATE: 10/19/21

SIGNATURE	INITIALS	IN	OUT	HOURS	REMARKS
[REDACTED]	CR	0855	0955	4	
[REDACTED]	AT	0855	1455	6.	
[REDACTED]	JB	1400	2200	8.0	

BY SIGNING AND INITIALING ABOVE I CERTIFY MY TIME AND ATTENDANCE FOR THE DATES INDICATED ARE CORRECT
TMET Form 7230-4A (9/14)

DATE: 10/20/21

SIGNATURE	INITIALS	IN	OUT	HOURS	REMARKS
[REDACTED]	CR	0855	0955	4	
[REDACTED]	AT	0855	1455	6	
[REDACTED]	SA	1300	2200	9	

BY SIGNING AND INITIALING ABOVE I CERTIFY MY TIME AND ATTENDANCE FOR THE DATES INDICATED ARE CORRECT
TMET Form 7230-4A (9/14)

21-001-TME-NFCT
N987AK



Providing Controllers For The Next Generation

MEMORANDUM FOR RECORD

Date: November 12, 2021

To: Aircraft Accident File

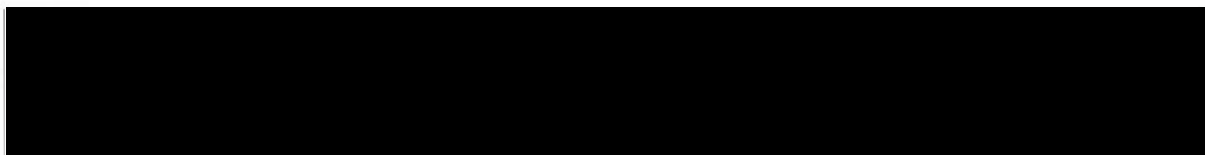



From: Eddie Ratcliff, Manager, Houston Executive Non Federal Contract Tower

SUBJECT: INFORMATION: Personnel Log Amendment
Aircraft Accident, N987AK
Houston, TX, October 19, 2021

I certify that the following personnel were not scheduled to work on October 19, 2021

Logan Weskelblatt
Sedric Applewhite



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SECTION 6.

FAA Form 7230-10, Position Log

21-001-TME-NFCT

N987AK

Position Log				
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS TYPE	(4) DATE	
TIME	INITIALS	TIME OFF	CODE	WHERE COMBINED (8) POS IDENTIFIER (9) POS TYPE
1100	ED	1529	C	
1530	AT	1959	C	
2000	JB	0300	C	
CODE: C = ATCS/ATA S = Supervisor/Staff Spec. T = Trainee/Developmental Evaluation				

Position Log				
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS TYPE	(4) DATE	
TIME	INITIALS	TIME OFF	CODE	WHERE COMBINED (8) POS IDENTIFIER (9) POS TYPE
1100		0300		LC
CODE: C = ATCS/ATA S = Supervisor/Staff Spec. T = Trainee/Developmental Evaluation				

Position Log				
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS TYPE	(4) DATE	
TIME	INITIALS	TIME OFF	CODE	WHERE COMBINED (8) POS IDENTIFIER (9) POS TYPE
1100		0300		GC
CODE: C = ATCS/ATA S = Supervisor/Staff Spec. T = Trainee/Developmental Evaluation				

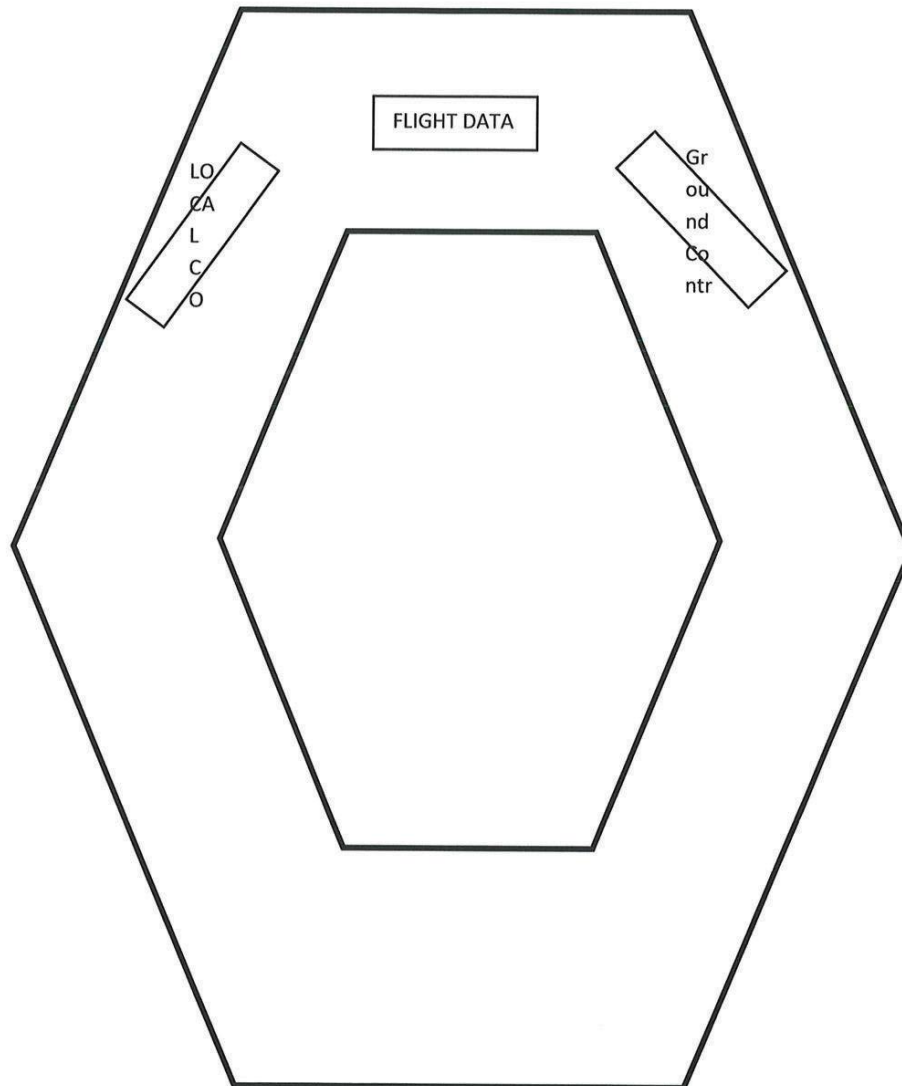
21-001-TME-NFCT
N987AK

SECTION 7.
Facility Layout

21-001-TME-NFCT

N987AK

KTME TOWER LAYOUT



21-001-TME-NFCT
N987AK

SECTION 8.

Flight Progress Strip

21-001-TME-NFCT

N987AK

Flight Progress Strip

TME Houston Executive Tower October 19, 2021

N987AK	7371	KBEO STRYAB TAF E	36	✓	1458
m087	P1425				
<small>FAA 7230-8 (5-88)</small>	370				

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N987AK

SECTION 9.
Weather Products

21-001-TME-NFCT

N987AK



Providing Controllers For The Next Generation

MEMORANDUM FOR RECORD

Date: November 12, 2021

To: Aircraft Accident File




From: Eddie Ratcliff, Manager, Houston Executive Non Federal Contract Tower

SUBJECT: INFORMATION: Weather
Aircraft Accident, N987AK
Houston, TX, October 19, 2021

I certify that the weather below is an accurate weather METAR at the time of the accident.

Report just prior to the accident

HOUSTON EXEC METAR - 1455 UTC: automated, wind zero eight zero at five, visibility six statute miles, haze, clear, temperature two five, dew point two two, altimeter three zero one one

Report just after the accident

HOUSTON EXEC SPECI - 1515 UTC: automated, wind variable at five, visibility six statute miles, haze, clear, temperature two five, dew point two three, altimeter three zero one two


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SECTION 10.

Other

21-001-TME-NFCT

N987AK

UTC (Zulu) Time Conversion Chart

UTC (Zulu)	PST/ ALDT	PDT/ MST	MDT/ CST	CDT/ EST	EDT/ AST	ALST	HST	UTC (Zulu)	PST/ ALDT	PDT/ MST	MDT/ CST	CDT/ EST	EDT/ AST	ALST	HST
0000*	1600	1700	1800	1900	2000	1500	1400								
0100	1700	1800	1900	2000	2100	1600	1500	1300	0500	0600	0700	0800	0900	0400	0300
0200	1800	1900	2000	2100	2200	1700	1600	1400	0600	0700	0800	0900	1000	0500	0400
0300	1900	2000	2100	2200	2300	1800	1700	1500	0700	0800	0900	1000	1100	0600	0500
0400	2000	2100	2200	2300	0000*	1900	1800	1600	0800	0900	1000	1100	1200	0700	0600
0500	2100	2200	2300	0000*	0100	2000	1900	1700	0900	1000	1100	1200	1300	0800	0700
0600	2200	2300	0000*	0100	0200	2100	2000	1800	1000	1100	1200	1300	1400	0900	0800
0700	2300	0000*	0100	0200	0300	2200	2100	1900	1100	1200	1300	1400	1500	1000	0900
0800	0000*	0100	0200	0300	0400	2300	2200	2000	1200	1300	1400	1500	1600	1100	1000
0900	0100	0200	0300	0400	0500	0000*	2300	2100	1300	1400	1500	1600	1700	1200	1100
1000	0200	0300	0400	0500	0600	0100	0000*	2200	1400	1500	1600	1700	1800	1300	1200
1100	0300	0400	0500	0600	0700	0200	0100	2300	1500	1600	1700	1800	1900	1400	1300
1200	0400	0500	0600	0700	0800	0300	0200	2400	1600	1700	1800	1900	2000	1500	1400

*0000 and 2400 are interchangeable.

2400 is associated with the date of the day ending, 0000 with the day just starting.

UTC = Coordinated Universal Time, or **Zulu**
PST = Pacific Standard Time (UTC - 8 hours)
ALDT = Alaskan Daylight Time (UTC - 8 hours)
PDT = Pacific Daylight Time (UTC - 7 hours)
MST = Mountain Standard Time (UTC - 7 hours)
MDT = Mountain Daylight Time (UTC - 6 hours)
CST = Central Standard Time (UTC - 6 hours)
CDT = Central Daylight Time (UTC - 5 hours)
EST = Eastern Standard Time (UTC - 5 hours)
EDT = Eastern Daylight Time (UTC - 4 hours)
AST = Atlantic Standard Time (UTC - 4 hours)
ALST = Alaskan Standard Time (UTC - 9 hours)
HST = Hawaiian Standard Time (UTC - 10 hours)

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