



Federal Aviation Administration

Memorandum

Date: November 25, 2019

To: Andy Atchley, Director, Central Service Center



From: Haven L. Melton, Manager, Memphis Air Route Traffic Control Center

Subject: **INFORMATION:** Certification Statement
Aircraft Accident, N181AG
Paducah, KY, November 01, 2019

I certify that aircraft accident package, 19-004-ZME, has been reviewed and is complete.

Copy

Aircraft Accident Package

19-004-ZME

N181AG, PA32

November 01, 2019, 0023 UTC

Destroy: November 01, 2024 UTC

SECTION 1.
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SECTION 2.

FAA Form 8020-6, Report of Aircraft Accident, and
FAA Form(s) 8020-6-1, Report of Aircraft Accident (Continuation Sheet)

FAA Form 8020-6, Report of Aircraft Accident

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		REPORT DATE November 25, 2019	REPORT NO. 19-004-ZME				
REPORT OF AIRCRAFT ACCIDENT		NAME OF REPORTING FACILITY Memphis ARTCC (ZME)					
1. AIRCRAFT IDENTIFICATION AND TYPE N181AG, PA32	2. DATE/TIME OF ACCIDENT (UTC) November 1, 2019; 0023 UTC	3. LOCATION OF ACCIDENT: CITY, STATE (MAND) Paducah, KY					
4. NATURE OF ACCIDENT Aircraft crashed on approach		LATITUDE/LONGITUDE (OPL) N37 03 37.0380 W088 46 22.6530					
		5. TYPE OF FLIGHT VFR Flight Plan					
6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN
	Clint Hill	Pilot	Unknown, Unk			X	
7. PASSENGER DATA	NUMBER ABOARD AIRCRAFT 0	NUMBER UNINJURED 0	NUMBER INJURED 0	NUMBER FATALITIES 0			
8. AIRCRAFT DAMAGE Substantial		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 PADUCAH METAR - 2353 UTC: wind two five zero at three, visibility one zero statute miles, clear, temperature zero, dew point minus three, altimeter three zero two seven						
	FIRST REPORT SUBSEQUENT TO ACCIDENT PADUCAH METAR - 0053 UTC: wind calm, visibility one zero statute miles, clear, temperature minus one, dew point minus three, altimeter three zero three zero						
12. ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION	CHECK IF EYEWITNESS			
*OPERATING INITIALS							
13. SIGNATURE OF FACILITY MANAGER Haven L. Melton [REDACTED]							

FAA Form 8020-6 (4-17) Supersedes Previous Edition

Electronic Version

19-004-ZME

N181AG

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE November 05, 2019	REPORT NO. 19-004-ZME
	NAME OF REPORTING FACILITY Minneapolis ARTCC (ZMP)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
November 01, 2019

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

2130 N181AG requests Visual Flight Rules (VFR) flight following with Minneapolis Air Route Traffic Control Center (ZMP ARTCC) Sector 33 (R33).

2134 R33 transfers communications to Sector 36 (R36).

2135 N181AG reports on frequency with R36.

2146 N181AG climbs to altitude of 11,500.

2216 R36 transfers communications to Sector 27 (R27). N181AG reports on frequency with R27.

2248 R27 transfers communications to Kansas City Air Route Traffic Control Center (ZKC ARTCC).

No More Follows

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE November 25, 2019	REPORT NO. 19-004-ZME
	NAME OF REPORTING FACILITY Kansas City ARTCC (ZKC)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
November 01, 2019

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

October 31, 2019

2249 N181AG reported on Kansas City Center Sector 44 (R44) frequency level at 11,500 feet. R44 acknowledged and issued the Kirksville (IRK) altimeter setting. N181AG acknowledged.

2316 There was a relief briefing with a new incoming R44 controller. During the briefing it was mentioned R44 was waiting for Kansas City Center Sector 53 (R53) controller to buy the hand off.

2318 R44 instructed N181AG to contact R53 on 134.5. N181AG acknowledged. N181AG reported on R53 frequency level at 11,500 feet. R53 acknowledged and issued the Columbia (COU) altimeter setting. N181AG acknowledged.

2332 R53 instructed N181AG to contact St. Louis Approach (T75) on 128.1. N181AG asked for the frequency again. R53 repeated T75's frequency. N181AG acknowledged.

2348 T75 called Kansas City Center Sector 14 (R14) and advised N181AG was VFR descending to 9,500 feet. R14 acknowledged.

2351 N181AG reported on R14 frequency out of 10,000 feet for 9,500 feet. R14 acknowledged and issued the Farmington (FAM) altimeter setting. N181AG acknowledged..

November 01, 2019

0009 N181AG advised R14 he was starting his descent. R14 instructed N181AG to contact Memphis Center (ZME) on 133.65. N181AG acknowledged.

No More Follows

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE November 06, 2019	REPORT NO. 19-004-ZME
	NAME OF REPORTING FACILITY St. Louis Lambert TRACON (T75)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
November 01, 2019

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

October 31, 2019

2332 N181AG checks on to Departure South (DS) frequency VFR level at eleven thousand five hundred feet. DS acknowledges N181AG and provides the aircraft the altimeter.

2347 N181AG requests VFR descent to nine thousand five hundred feet.

2348 DS approves N181AG's request. DS calls Kansas City Center Sector 54 and advises them that N181AG will be at nine thousand five hundred feet. Sector 54 acknowledges DS.

2351 DS advises N181AG to contact Kansas City Center on frequency 127.47. N181AG acknowledges the frequency change.

No More Follows

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE November 25, 2019	REPORT NO. 19-004-ZME
	NAME OF REPORTING FACILITY Memphis ARTCC (ZME)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
November 01, 2019

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

0009 N181AG checked on frequency with Memphis ARTCC (ZME) McKellar Low and Paducah Low Altitude Radar Control Position (R07/05). R07/05 advised N181AG he had him there at 9,500 and issued Paducah, Kentucky (PAH) altimeter 3027. N181AG acknowledged and requested to start his descent. R07/05 acknowledged and advised N181AG the active runway was 32 and if he wanted something different to advise. N181AG acknowledged.

0016 N181AG advised R07/05 they had the field in sight. R07/05 asked N181AG to repeat. N181AG advised R07/05 they had the field in sight.

0017 R07/05 acknowledged and advised N181AG that there was no observed traffic between him and Paducah, radar services were terminated, and to squawk 1200 and contact tower 119.6. N181AG acknowledged.

 No More Follows



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

REPORT DATE

December 02, 2019

REPORT NO.

19-004-ZME

NAME OF REPORTING FACILITY

Sioux City ATCT (SUX)

14. CHRONOLOGICAL SUMMARY OF FLIGHT
November 01, 2019

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

0000 Sioux City ATCT (SUX) did not provide any services to N181AG. Radar data from 2130-2200 UTC on October 31, 2019 was requested to support the aircraft accident package.

No More Follows

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE November 04, 2019	REPORT NO. 19-004-ZME
	NAME OF REPORTING FACILITY Chicago ARTCC (ZAU)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
 November 01, 2019

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
 UNLESS OTHERWISE SPECIFIED

0000 Chicago ARTCC (ZAU) did not provide any services to N181AG. Radar data from 2245-2330 UTC on October 31, 2019 was requested to support the aircraft accident package.

No More Follows

SECTION 3.
Review of Services Memoranda



Federal Aviation Administration

Memorandum

Date: November 05, 2019

To: Memphis Air Route Traffic Control Center Aircraft Accident File 19-004-ZME

Wayne Reynolds, Acting Manager,

From: Minneapolis Air Route Traffic Control Center, ZMP ARTCC

Subject: **INFORMATION**: Review Of Services Memo
Aircraft Accident, N181AG
Paducah, KY, November 01, 2019

ZMP ARTCC conducted a review of services concerning N181AG and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies of the original are on file in this office.

Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
ERAM Local Adaptation File
FAA Form 8020-6-1
ERAM SAR Files
ERAM Radar Files



Federal Aviation Administration

Memorandum

Date: November 22, 2019

To: Memphis Air Route Traffic Control Center Aircraft Accident File 19-004-ZME

From: Christina L. Calvert, Manager, [REDACTED]
Kansas City Air Route Traffic Control Center, ZKC ARTCC

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, N181AG
Paducah, KY, November 01, 2019

ZKC ARTCC conducted a review of services concerning N181AG and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies of the original are on file in this office.

Certified Original Copy(ies) of Voice Recording(s)
FAA Form 7230-10
FAA Form 7230-4
FAA Form 8020-6-1
Personnel Log(s)
ERAM SAR Files
ERAM Radar Files



Federal Aviation Administration

Memorandum

Date: November 06, 2019

To: Memphis Air Route Traffic Control Center Aircraft Accident File 19-004-ZME

From: Velvet D. Kennedy, Manager, [REDACTED]
St. Louis Lambert Terminal Radar Approach Control Facility, T75 TRACON

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, N181AG
Paducah, KY, November 01, 2019

T75 TRACON conducted a review of services concerning N181AG and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies of the original are on file in this office.

Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
FAA Form 8020-6-1
STARS Radar Data
STARS Adaptation File



Federal Aviation Administration

Memorandum

Date: November 25, 2019

To: Memphis Air Route Traffic Control Center Aircraft Accident File 19-004-ZME

[REDACTED]
Haven L. Melton, Manager,

From: Memphis Air Route Traffic Control Center, ZME ARTCC

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, N181AG
Paducah, KY, November 01, 2019

ZME ARTCC conducted a review of services concerning N181AG and was determined to have routine services. As the holding facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies of the original are on file in this office.

Airport Diagram
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
Command Syntax Report
ERAM Local Adaptation File
FAA Form 7230-10
FAA Form 7230-4
FAA Form 8020-6
FAA Form 8020-6-1
Facility Layout Chart(s)
Flight Progress Strip(s)
Input Output Log Report
National Track Analysis Report
Personnel Log(s)
SATORI
Surveillance Track History Report
Weather Data
ERAM SAR Files
ERAM Radar Files
Certified Weather
Certification Letter for Weather

19-004-ZME

N181AG



Federal Aviation Administration

Memorandum

Date: November 14, 2019

To: Memphis Air Route Traffic Control Center Aircraft Accident File 19-004-ZME

From: Kenneth Nowosatka, Manager, [REDACTED]
Sioux City Airport Traffic Control Tower, SUX ATCT

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, N181AG
Paducah, KY, November 01, 2019

SUX ATCT conducted a review of services concerning N181AG and was determined to have provided no services but does have air traffic data. As a facility with air traffic data I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies of the original are on file in this office.

STARS Radar Data
STARS Adaptation File



Federal Aviation Administration

Memorandum

Date: November 04, 2019

To: Memphis Air Route Traffic Control Center Aircraft Accident File 19-004-ZME
[REDACTED]

From: Dino S. Hall, Manager,
Chicago Air Route Traffic Control Center, ZAU ARTCC

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, N181AG
Paducah, KY, November 01, 2019

ZAU ARTCC conducted a review of services concerning N181AG and was determined to have provided no services but does have air traffic data. As a facility with air traffic data I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies of the original are on file in this office.

ERAM Local Adaptation File
FAA Form 7230-10
FAA Form 7230-4
FAA Form 8020-6-1
Facility Layout Chart(s)
Input Output Log Report
National Track Analysis Report
Personnel Log(s)
Surveillance Track History Report
ERAM SAR Files
ERAM Radar Files

SECTION 4.

FAA Form(s) 7230-4, Daily Record of Facility Operation

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 1
				DATE Oct 31, 2019
LOCATION		IDENTIFICATION	TYPE FACILITY	OPERATING POSITION
Memphis, TN		ZME	ARTCC	ZME Watch Desk
				CHECKED BY AIR TRAFFIC MANAGER Haven Melton
UTC TIME	REMARKS			
0500	Peepsie James and Andrew Maw on. WCLC. CFPL: None. -- PY			
0601	Stuck flight plan report received and vetted. -- PY			
0654	NAS Certified. -- PY			
1026	Joseph House on. WCLC. -- UK			
1225	WX/TFC/EQUIP Briefing Complete. -- UK			
M 1338	ZME-M-2019/10/31-0001 -- AAL375 -- UK			
1453	Chris Byrd on. WCLC. -- JB			
1525	Stuck flight plan report received and vetted. -- UK			
1652	Joseph House on. WCLC. -- UK			
1751	Chris Byrd on. WCLC. -- JB			
1930	Tawnya Weber on, WCLC. -- WU			
2015	WX/TFC/EQUIP Briefing Complete. -- WU			
2205	Stuck flight plan report received and vetted. -- WU			
M 2228	ZME-M-2019/10/31-0002 -- N9636M -- WU			
0145	PAH called at 0150Z, approximately and advised they had a VFR aircraft crashed on arrival to RY 14. The aircraft was N181AG, PA32, 1 person on board, pilot's name was Clint Hill, the crash occurred at approximately 0023Z. The ROC was notified by ZME OMIC on 8234, DEN was notified. ROC advised ZME OMIC to complete a -9. -9 was sent to ROC at 0150Z. ZME ATM and NATCA advised. Controller given opportunity to complete an ATSAP report. Copy of the FALCON will be sent to ZME QC. -- WU			
0250	Digital Audio Legal Recorder (DALR) Checks Complete. -- WU			
0300	Bracken Wertz and Jody Quenichet on. WCLC -- WZ			
0459	cob -- WZ			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded.		SIGNATURE(S) OF WATCH SUPERVISOR(S) 		

FAA Form 7230-4

19-004-ZME
N181AG

SECTION 5.
Personnel Log(s)

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		ASO		ZME		AREA 1			MONTH: OCT	DAY: 31	YEAR: 2019
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES		
KALLAHER, JOHN (JK) 05:45 - 13:45	R	05:45	13:45	08+00			00+48	04+11			
MILLER, MATTHEW (MM) 05:45 - 13:45	R	05:45	13:45	08+00			03+11	04+25			
BAKER, JAMAAL (BA) 05:52 - 13:52	R	05:52	13:52	08+00			00+24	05+24			
FREEMAN, JASON (OT) 06:00 - 14:00	R	06:00	14:00	08+00			00+18	07+14			
SHAW, ADRIAN (XA) 06:00 - 14:00	R	06:00	14:00	08+00			00+32	04+44			
BLACK, BENJAMIN (GA) 06:30 - 15:00	R	06:30	15:00	08+30			00+00	00+00			
DAYTON, STEVEN (SA) 06:30 - 15:00	R	06:30	15:00	08+30			00+00	00+00			
FLAVIN, SHANNON (SF) 06:30 - 14:30	R	06:30	12:30	06+00	02+00	Leave	00+20	04+04			
JONES, ADAM (KJ) 06:30 - 14:30	R	06:30	14:30	08+00			02+29	05+17			
KUTLER, KYLE (LA) 06:30 - 15:00	R	06:30	15:00	08+30			00+00	00+00			
LAZARO, EZEKIEL (ZL) 06:30 - 15:00	R	06:30	15:00	08+30			00+00	00+00			
MOSS, GERRIT (GE) 06:30 - 15:00	R	06:30	15:00	08+30			00+00	00+00			
REBMAN, JONATHAN (RP) 06:30 - 15:00	R	06:30	15:00	08+30			00+00	00+00			
SCHIANO DI COLA, DOMENICO (CU) 06:30 - 15:00	R	06:30	15:00	08+30			00+00	00+00			
STEVENSON, CASEY (CS) 06:30 - 14:30	R	06:30	14:30	08+00			02+02	05+46			
STITT, TAYLOR (TC) 06:32 - 14:32	R	06:32	14:32	08+00			02+17	05+34			
HAUGERUD, KAITLYNNE (KH) 06:33 - 14:33	R	06:33	14:33	08+00			05+58	01+05			
HORNER, JONATHAN (HN) 06:35 - 14:35	R	06:35	14:35	08+00			00+56	03+50			
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)											

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		ASO		ZME		AREA 1			MONTH: OCT	DAY: 31	YEAR: 2019
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES		
STEELE, FREDERICK (FT) 06:35 - 14:35	R	06:35	14:35	08+00			01+26	02+41			
GREENWOOD, ROBERT (RG) 06:40 - 14:40	R	06:40	14:40	08+00			02+31	03+47			
HAYES, MATTHEW (MH) 06:59 - 14:59	R	06:59	09:59	03+00	05+00	Leave	00+22	02+18			
BRUNO, ELIZABETH (LZ) 07:00 - 15:00	R	07:00	12:00	05+00	03+00	Leave	00+16	03+06			
STEPHENSON, CHRISTOPHER (SS) 08:00 - 16:00	R	08:00	16:00	08+00			08+00	00+00			
SMALL, JESSIE (TS) 07:00 - 15:00	R	09:00	15:00		02+00	Leave					
	51	15:00	16:00	07+00			02+23	03+55			
NELSON, STEPHEN (SE) 13:15 - 21:15	R	13:15	20:37	07+22	00+38	Leave	00+38	04+23			
REISING, DYLAN (DR) 13:15 - 21:15	R	13:15	21:15								
	51	21:15	22:15	09+00			01+07	04+23			
SQUIRES, ADRIENNE (AP) 13:25 - 21:25	R	13:25	21:25	08+00			00+31	03+50			
HIBBS, CHRISTOPHER (HC) 13:29 - 21:29	R	13:29	21:29	08+00			00+40	04+28			
MARTIN, MICHAEL (MQ) 14:20 - 22:20	9	14:00	14:20								
	R	14:20	22:20	08+20			00+46	04+23			
POWELL, JESSICA (JZ) 14:20 - 22:20	R	14:20	22:20	08+00			00+53	04+24			
BAKER, JAMAAL (BA) 22:10 - 06:10	R	22:10	06:10	08+00			00+13	03+18			
KALLAHER, JOHN (JK) 22:10 - 06:10	R	22:10	06:10	08+00			00+08	04+22			
SHAW, ADRIAN (XA) 22:10 - 06:10	R	22:10	06:10	08+00			00+26	04+13			
ARNOLD, JASON (AC) 07:00 - 15:00					08+00	Leave	08+00	00+00			
CAPUTO, NEIL (NC) 07:00 - 15:00					08+00	Leave	00+00	00+00			
AYALA SMITH, DEREK (AY) 13:30 - 21:30					08+00	Leave	00+00	00+00			
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	

THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT
(Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		ASO		ZME		AREA 1			MONTH: OCT	DAY: 31	YEAR: 2019
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES		
ROMERO, JOHN (TY) 13:30 - 21:30					08+00	Leave	00+00	00+00			
WOODARD, CLINTON (MP) 14:20 - 22:20					08+00	Leave	00+00	00+00			
GARRISON, CARTER (CG) 14:20 - 22:20					08+00	Leave	00+00	00+00			
CEARLEY, JOHNNY (FC) 22:10 - 06:10					08+00	Leave	00+00	00+00			
PARDUE, JOHNNY (ZP) RDO	67	10:00	20:00	10+00			00+53	05+09			
BRUNS, ADAM (AI) RDO	94	14:20	22:20	08+00			01+13	03+55			
MESSER, DAVID (ME) RDO	9	21:10	22:10	08+00			00+12	05+27			
	50	22:10	05:10								
KEELING, PAUL (PR) NAS											
MAW, ANDREW (AX) NAS											
RAWLS, CHAD (CR) NAS											
WRIGHT, AARON (AW) NAS											
EWINGS, DONTÉ (TI) RDO											
FRANKLIN, KELLY (KF) RDO											
GARLAND, DREW (DH) RDO											
HUFFMAN, JESSICA (DC) RDO											
PATTERSON, KEVIN (KV) RDO											
PHILLIPS, MONIQUE (YV) RDO											
RUTTER, JENNIFER (JY) RDO											
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	

THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT
(Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		ASO		ZME		AREA 1			MONTH: OCT	DAY: 31	YEAR: 2019
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES		
YOUNGBLOOD, BART (GT) RDO											
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)											

Form 7230-4 (Dec 08)

Official Version

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

SECTION 6.

FAA Form(s) 7230-10, Position Log, or automated equivalent

POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZME	R07	R	10/31/2019		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0500	PR	0747	C		
0748	JY	1051	C		
1052	JK	1139	C		
1140	FT	1219	C		
1220	JK	1314	C		
1315	HN	1446	C		
1447	JK	1501	C		
1502	LZ	1636	C		
1637	XA	1724	C		
1725	JK	1801	C		
1802	KJ	1849	C		
1850	TS	1900	C		
1901	MQ	1903	C		
1904		1909		R26	R

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec

T - Trainee/Developmental

M - Trainee/Developmental Monitoring

R - Trainee/Developmental Certification/
Evaluation

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER		(3) POS	(4) DATE	
ZME	R07		R	10/31/2019	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
1910	TS	1912	C		
1913	ZP	1925	C		
1926	JZ	2025	C		
2026	DR	2105	C		
2106	JZ	2159	C		
2200	HC	2249	C		
2250	SE	0106	C		
0107	HC	0142	C		
0143	AI	0237	C		
0238	DR	0309	C		
0310	XA	0409	C		
0410		0459		R25	R

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec

T - Trainee/Developmental

M - Trainee/Developmental Monitoring

R - Trainee/Developmental Certification/
Evaluation

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N181AG

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POSITION LOG					
(1) FACILITY ID		(2) POSITION IDENTIFIER		(3) POS	(4) DATE
ZME		D25		RA	10/31/2019
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0500		1136		R25	R
1137	MM	1224	C		
1137	TC	1224	T		
1225		1251		R25	R
1252	MM	1402	C		
1252	TC	1402	T		
1403	CS	1457	T		
1403	TS	1457	C		
1458	MM	1603	C		
1458	TC	1603	T		
1604	CS	1738	T		
1604	TS	1738	C		
1739		0459		R25	R

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER		(3) POS	(4) DATE	
ZME	D33		RA	10/31/2019	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0500		1131		R33	R
1132	CS	1342	C		
1343		1505		R33	R
1506	SF	1552	C		
1553		1650		R33	R
1651	TC	1919	C		
1920		1945		R33	R
1946	HC	2031	C		
2032		0459		R33	R

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER		(3) POS	(4) DATE	
ZME	D34		RA	10/31/2019	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0500		1136		R34	R
1137	SF	1342	C		
1343		1416		R34	R
1417	SF	1504	C		
1505		1646		R34	R
1647	SF	1709	C		
1710		1822		R34	R
1823	CS	1927	C		
1928		0459		R34	R

CODE:

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Evaluation

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER		(3) POS	(4) DATE	
ZME	R25		R	10/31/2019	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
2010	ZP	2048	C		
2049	AI	2139	C		
2140	MQ	2222	C		
2223	AP	2320	C		
2321	ZP	0024	C		
0025	AI	0107	C		
0108	DR	0130	C		
0131	JZ	0201	C		
0202	DR	0209	C		
0210	ME	0306	C		
0307		0309		1OSC	O
0310	ME	0413	C		
0414	XA	0420	C		
0421	ME	0459	C		
CODE: C - ATCS/ATA S - Supervisor/Staff Spec T - Trainee/Developmental M - Trainee/Developmental Monitoring R - Trainee/Developmental Certification/ Evaluation					

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POSITION LOG

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZME	R34	R	10/31/2019		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0500		1058		R25	R
1059		1131		R33	R
1132	XA	1338	C		
1339	BA	1459	C		
1500	ZP	1520	C		
1521	HN	1604	C		
1605	ZP	1720	C		
1721	FT	1745	C		
1746	MM	1815	C		
1816	SE	1837	C		
1838	HN	1903	C		
1904	MQ	1919	C		
1920	MQ	1956	C		
1957	SE	2031	C		

CODE:

C - ATCS/ATA

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T - Trainee/Developmental

M - Trainee/Developmental Monitoring

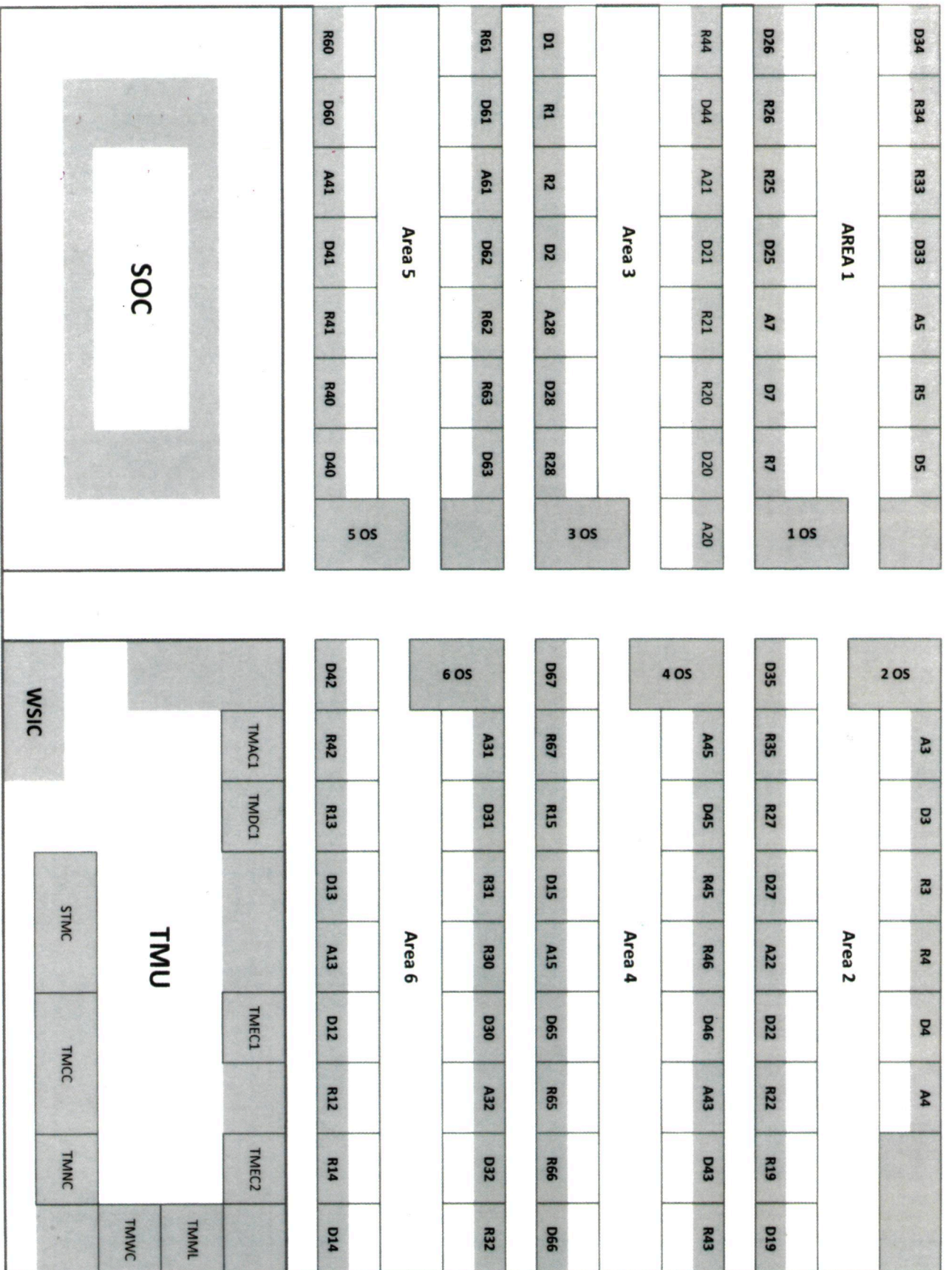
R - Trainee/Developmental Certification/
Evaluation

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SECTION 7.
Facility Layout Chart(s)



SECTION 8.
Airport Diagram

SECTION 9.

Flight Progress Strip(s) and/or In-Flight Contact Record(s)

Flight Progress Strip(s)

FPS Memphis ARTCC November 01, 2019 UTC

N181AG PA32/G T130 G170 05 432 03	CGI	00 ²⁸	↓ VFR/115	HON146054 KPAH	2666
	053				
	021				
	0017				
		KPAH			

N181AG PA32/G T130 G199 05 432 02	CGI	00 ¹⁷	VFR/115	HON146054 KPAH	2666
	053				
	021				
	0018				
		CGI 053/021			

SECTION 10.
Weather Products

Memphis ARTCC

Weather Products 11/1/2019 UTC

METAR KPAH 312353Z 25003KT 10SM CLR 00/M03 A3027 RMK AO2 SLP251 T00001033 10044
20000 51017

METAR KPAH 010053Z 00000KT 10SM CLR M01/M03 A3030 RMK AO2 SLP263 T10111028

I certify the attached copy of the METARs originated from the APG-link to
archived weather is an accurate copy of the original.

[REDACTED]

Marcella M Watkins
Quality Control Specialist
Memphis ARTCC

19-004-ZME
N181AG

SECTION 11.

Other

UTC (Zulu) Time Conversion Chart

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
0200	1800	1900	2000	2100	2200	1700	1600
0300	1900	2000	2100	2200	2300	1800	1700
0400	2000	2100	2200	2300	0000*	1900	1800
0500	2100	2200	2300	0000*	0100	2000	1900
0600	2200	2300	0000*	0100	0200	2100	2000
0700	2300	0000*	0100	0200	0300	2200	2100
0800	0000*	0100	0200	0300	0400	2300	2200
0900	0100	0200	0300	0400	0500	0000*	2300
1000	0200	0300	0400	0500	0600	0100	0000*
1100	0300	0400	0500	0600	0700	0200	0100
1200	0400	0500	0600	0700	0800	0300	0200
1300	0500	0600	0700	0800	0900	0400	0300
1400	0600	0700	0800	0900	1000	0500	0400
1500	0700	0800	0900	1000	1100	0600	0500
1600	0800	0900	1000	1100	1200	0700	0600
1700	0900	1000	1100	1200	1300	0800	0700
1800	1000	1100	1200	1300	1400	0900	0800
1900	1100	1200	1300	1400	1500	1000	0900
2000	1200	1300	1400	1500	1600	1100	1000
2100	1300	1400	1500	1600	1700	1200	1100
2200	1400	1500	1600	1700	1800	1300	1200
2300	1500	1600	1700	1800	1900	1400	1300
2400	1600	1700	1800	1900	2000	1500	1400

The time *0000 and 2400 are interchangeable. The time 2400 is associated with the date of the day ending, and 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)

19-004-ZME

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