

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

**TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> JONES MEMORIAL	<u>AIRPORT ID</u> 3F7	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> BRISTOW	<u>STATE</u> OK
<u>AIRPORT ELEVATION</u> 870	<u>TDZE</u> 854	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 04/30/2015	<u>MAG VAR</u> 5E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 SEPTEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> 09/10/2020	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 085/30 CW 265/30	NOPT	085/17 CW 265/17		3400
2. 085/17 CW 265/17		CAMSA	IF/IAF	2600
3. 265/30 CW 085/30		CAMSA	IF/IAF	2800

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CAMSA	IF/IAF	ONOE		TF	FB	1.00	175.17	5.20	2600
ONOE	FAF	ITALE/2.40 NM TO RW18		TF	FB	0.30	175.17	3.11	
ITALE/2.40 NM TO RW18		RW18	MAP	TF	FO	0.30	175.17	2.40	
RW18	MAP	1156 MSL		CA			175.17		
1156 MSL		DASTE		DF	FO	1.00			2600

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW18

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2600 DIRECT DASTE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N CAMSA, RT, 175.17 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 175.17FAF: ONOKEDIST FAF TO MAP: 5.51DIST FAF TO THLD: 5.51

4. MIN ALT: CAMSA 2600, ONOKE 2600, ITALE/2.40 NM TO RW18 1600\*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:302 HAT: 0.97GS ANT:

6. MIN GP INCPT: 2600GP ALT AT FAF : ONOKE 2600OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: BARO-VNAV NA.  
\*LNAV ONLY  
CHART NOTE: USE CUSHING ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART CUSHING MUNI AWOS-3.  
HOLD S, RT, 355.16 INBOUND.  
FAS OBST: 969 TREE 354936N/0962554W.  
1049 TREE 355105N/0962423W.  
DISTANCE TO THLD FROM 302 HAT: 0.97 NM.  
WAAS CHANNEL # 53643  
REFERENCE PATH ID: W18A  
CHART CIRCLING ICON.  
LTP HAE: 217.3 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☒



CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1156	1	302	1156	1	302	1156	1	302		NA				
LNAV/VNAV DA	1191	1	337	1191	1	337	1191	1	337		NA				
LNAV MDA	1280	1	426	1280	1	426	1280	1 1/4	426		NA				
CIRCLING	1380	1	510	1500	1	630	1600	2	730		NA				

CHANGES - REASONS

NEW RUNWAY CONSTRUCTED APPROXIMATELY 240 FEET EAST OF PREVIOUS RUNWAY - MOST CHANGES TO THIS PROCEDURE ARE DIRECTLY OR INDIRECTLY A RESULT OF THAT NEW CONSTRUCTION.

- AIRPORT ELEVATION CHANGED FROM 852 TO 870 - NEW RUNWAY CONSTRUCTED.
- TDZE CHANGED FROM 849 TO 854 - NEW RUNWAY CONSTRUCTED.
- TAA LEFT AND RIGHT BASES REMOVED, PT-REQUIRED STRAIGHT-IN SECTOR ESTABLISHED - CHANGES REQUESTED BY FPT.
- TAA STRAIGHT-IN STEPDOWN RADIUS CHANGED FROM 15 NM TO 17 NM - OBSTACLE EVALUATION.
- TAA STRAIGHT-IN SECTOR ALTITUDE INCREASED FROM 3300 TO 3400 - OBSTACLE EVALUATION.
- TERMINAL ROUTES BEBRE TO CAMSA AND ASAPE TO CAMSA REMOVED - FPT REQUEST.
- TERMINAL ROUTE ONOKE TO ITALE, DISTANCE CHANGED FROM 2.78 TO 3.11, MINIMUM ALTITUDE CHANGED FROM 1660 TO 1600 - REDESIGN DUE TO NEW RUNWAY CONSTRUCTION.
- TERMINAL ROUTE ITALE TO RW18 DISTANCE CHANGED FROM 2.41 TO 2.40 - REDESIGN DUE TO NEW RUNWAY CONSTRUCTION.
- CA LEG ALTITUDE CHANGED FROM 1252 TO 1156 - LPV MINIMUMS ESTABLISHED.
- PROFILE SECTION, LINE 3, DIST FAF TO MAP AND FAF TO THLD CHANGED FROM 5.20 TO 5.51 - REDESIGN DUE TO NEW RUNWAY CONSTRUCTION.
- PROFILE SECTION, LINE 4, MIN ALT AT ITALE CHANGED FROM 1660 TO 1600 - REDESIGN DUE TO NEW RUNWAY CONSTRUCTION.
- PROFILE SECTION, LINE 5, ADDED DIST TO THLD FROM 302 HAT, LINES 6 AND 7 ADDED VERTICALLY GUIDED INFORMATION - VERTICALLY GUIDED MINIMUMS ADDED.
- PROFILE SECTION LINE 7, ADDED "20:1 IS CLEAR" - 8260.19H.
- REPLACED "DME/DME RNP-0.3 NA" NOTE WITH PBN REQUIREMENTS NOTE - 8260.19H.
- CHANGED ALTIMETER SOURCE FROM TULSA TO CUSHING - LOWER ADJUSTMENT REQUIRED.
- ADDED "BARO-VNAV NA" NOTE - LNAV/VNAV MINIMUMS ADDED BUT A REMOTE ALTIMETER SOURCE IS IN USE.
- DELETED NOTE "PROCEDURE NA AT NIGHT" - 20:1 IS CLEAR.
- ADDED HELICOPTER NOTE - 34:1 IS NOT CLEAR.
- ADDED \*LNAV ONLY - STEPDOWN FIX ONLY APPLIES TO LNAV MINIMUMS.
- UPDATED FAS OBST - PROCEDURE REDESIGN DUE TO NEW RUNWAY.
- ADDED 7:1 STEPDOWN OBSTACLE - PROCEDURE REDESIGN DUE TO NEW RUNWAY.
- ADDED "CHART CUSHING MUNI AWOS-3" - PRIMARY ALTIMETER SOURCE CHANGED FOR LOWER MINIMUMS.
- MISSED APPROACH HOLDING INBOUND COURSE CHANGED FROM 355.17 TO 355.16 - RECALCULATION WITH REDESIGNED PROCEDURE.
- ADDITIONAL FLIGHT DATA, ADDED VERTICALLY GUIDED APPROACH AND WAAS/FAS INFORMATION - LPV MINIMUMS ADDED.
- ADDED LPV AND LNAV/VNAV LINES OF MINIMA - FPT REQUEST.
- LNAV MDA/HAT CHANGED FROM 1400/551 TO 1280/426 - IMPROVED SURVEY DATA AND PROCEDURE REDESIGN.
- LNAV VISIBILITY CAT C CHANGED FROM 1 5/8 TO 1 1/4 - RECALCULATION WITH NEW HAT.
- CIRCLING CAT A MDA/HAA CHANGED FROM 1440/588 TO 1380/510 - NEW CONTROLLING OBSTACLE AND RASS SOURCE.
- CIRCLING CAT B MDA/HAA CHANGED FROM 1560/708 TO 1500/630 - NEW CONTROLLING OBSTACLE AND RASS SOURCE.
- CIRCLING CAT C MDA/VIS/HAA CHANGED FROM 1700/2 1/2/848 TO 1600/2/730 - NEW CONTROLLING OBSTACLE AND RASS SOURCE.

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA

OTHER:

ZKC, CITY OF BRISTOW

<b>FLIGHT CHECKED BY</b> PENDING	<i>Digitally signed by</i> <b>DAVID DANNER</b> Jun 12, 2020	<b>OFFICE</b>	<b>DATE</b>	
<b>DEVELOPED BY</b> RUSSELL ROSLEWSKI	<i>Digitally signed by</i> <b>RUSSELL ROSLEWSKI</b> Jun 09, 2020	<b>OFFICE</b> AJV-A421	<b>DATE</b> 05/20/2020	
<b>APPROVED BY</b> MARLON ROBINSON	<i>Digitally signed by</i> <b>DAVID DANNER</b> Jun 12, 2020	<b>OFFICE</b> AJV-A420	<b>DATE</b>	<b>TITLE</b> MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	3F7
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	354845.1550N
LTP/FTP LONGITUDE	0962516.0170W
LTP/FTP ELLIPSOIDAL HEIGHT	+02173
FPAP LATITUDE	354715.9235N
FPAP LONGITUDE	0962516.3325W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	851E5788

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02457
FPAP ORTHOMETRIC HEIGHT	+02457

